CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Railroad station and terminal, Newark, N. J., Pennsylvania R.R. Co. had preliminary sketches made, $12,000,000.

Pipe line, Texas, Illinois Pipe Line Co. making plans, $5,000,000.

Store, Seattle, Wash., F. McDermott takes bids about Jan. 1, $5,000,000.

Bridge, Pennsylvania and New Jersey, Modjeski, Masters & Chase, engrs., take bids about Nov. 15, substructure, and about Dec. 20 for superstructure, $4,000,000.

Office building, Long Island City, N. Y., Realty Constr. Corp. will build, $4,000,000.

Pipe line, Texas, Magnolia Petroleum Co. making plans, $3,500,000.

Exchange, Des Moines, Ia., Northwestern Bell Telephone Co., plans exchange building, $1,000,000; and extensions, equipment etc., $2,800,000.

Levee, Louisiana, Orleans Levee Bd. making plans, $2,175,300.

Apartments, New York, N. Y., Six to Sixteen West 77th Street Corp., will build, $2,000,000.

Stadium, Chicago, Ill., South Park Comrs. having plans prepared, $2,000,000.

Seminary, St. Louis Missouri, Preparatory Diocesean Seminary raising fund, $2,000,000.

Warehouse, Camden, N. J., Terminal Corp. having plans prepared, $1,500,000.

Bridge, Phila., Pa., Dept. Pub. Wks. takes bids early in January, $1,500,000.

Office and hotel, Newark, N. J., Owner, c/o W. E. Lehman, archt., having plans prepared, $1,500,000.

Unit steam power plant, Texas, San Antonio Public Service Co. making plans, $1,500,000.

Apartment hotel, Cleveland, Ohio, Berkner Realty Co. having plans prepared, $1,500,000.

Sewage disposal plant, Aurora, Ill., Aurora Sanitary Dist. making plans, $1,183,000.

Hospital, St. Louis, Mo., St. Vincent De Paul Sisters of Charity, making preliminary plans, $1,000,000.

Hotel, Riverside, Calif., E. Lloyd, F. Nansen and associates, having plans prepared, $1,000,000.

Apartment building, Brooklyn, N. Y., Brooklyn Syndicate having plans prepared, $1,000,000.

Hotel, Kansas City, Mo., W. R. Jewell, having plans prepared, $1,000,000.

Hotel, New Orleans, La., Louise Realty Co. having plans prepared, $1,000,000.

Bids Desired

High School, Cleveland, O. Nov. 21, by Bd. Educ. $1,750,000.

High School, Chicago, Ill., Nov. 17, by Bd. Educ., $1,500,000.

Exchange, New York, N. Y., Dec. 1, by Voorhees, Gmelin & Walker, archts., for N. Y. Telephone Co., $1,500,000.

School, Somerville, Mass., City taking bids, $1,250,000.

High School, Providence, R. I., Nov. 14, by City, $1,000,000.

Contracts Awarded

Office building, Detroit, Mich., Smith, Hinchman & Grylls, archts. and engrs., to W. E. Wood Co. Archts. est. approximately $8,000,000.

Office building, New York, N. Y., Western Union Co. to Marc Eidlitz. Archts. est. $6,500,000.

Sewer, Chicago, Ill., Clerk, Sanitary Dist. of Chicago to Underground Constr. Co., $1,864,720.

Office building, Syracuse, N. Y., Syndicate, c/o Shreeve & Lamb, archts., to G. Richard Davis, New York City, Archts. est. $1,500,000-$2,500,000.

Bridge, Virginia, Eastern Virginia Bridge Co. to Winston Bros. Co. and H. H. Wilson, Harrisburg, Pa. Engrs. est. $1,250,000-$1,500,000.

College building, Brooklyn, N. Y. Brooklyn Law School of St. Lawrence University, to T. O'Reilly, New York City, Archts. est. $1,000,000.

Bank and office, Pasadena, Calif., Bennett & Haskill, archts., to J. V. McNeil Co., Los Angeles, approximately $1,000,000.

Apartment building, East Orange, N. J., Sixty Seven South Munn Avenue, Inc., to Corona Constr. Co., Newark, Archts. est. $1,000,000.

News of the Week

Waterworks

Proposed Work

Mass., Chatham—Plans new waterworks. To exceed $15,000. Engineer not selected.

Conn., Hartford—Plans 42 in. supply line from Reservoir 1 West Hartford, south through Ridgewood Rd. from Park Rd. to Prospect Ave., also 36 in. main from Prospect Ave. north to Park Rd. $500,000. C. M. Saville, 1026 Main St., Hartford, engr.

N. C., Durham—Plans 5 mi. 24 in. mains in various streets. $400,000. W. M. Piatt, Durham, engr.

N. C., Lenoir — Town retained Spoon, Lewis & Camp, Greensboro, and S. B. Howard, Lenoir, consult, engrs., to design and supervise construction improvements to water works, incl. filtration plant. Noted July 15.

Miss., Ripley—Making plans new waterworks. $50,000. H. A. Mentz, Hammond, La., engr.

Mich., Detroit—Dept. Water Supply making preliminary plans pumping equipment discharging into south end coagulation basins, incl. 2 electric driven units 240 m.g.d. against 37 ft. head, vertical pumps and synchronous motors. G. H. Fenkell, 176 East Jefferson Ave., engr.

Mich., Lansing — Making preliminary plans 75 m.g. water softening plant. Election Nov. 8, bond issue for same. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Ill., Highland Park—Making plans water filtration plant and pumping station. Pearse, Greeley & Hanson, 6 North Michigan Ave., Chicago, engrs. Noted Aug. 18 under "Sewers."

Wis., Kenosha—Takes bids about Feb. 1, 6 m.g.d. addition to filtration plant. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Minn., Minneapolis—Plans purchasing 30 m.g. pump at Fridley Pumping Station, 42nd Ave. N. E. and Marshall St. N. W. Elsberg, City Hall, engr.

Kan., Ft. Scott—Making plans improving waterworks. To exceed $5,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted June 16.

Neb., Callaway — Voted $20,000 bonds, waterworks. Nixon & Reynolds, Grain Exch. Bldg., Omaha, engrs.

Ark., Camden—Arkansas Power & Light Co. making preliminary plans new 10 in. discharge main in business district, 8 in. main from Chestnut to Grinstead Sts., and 400,000 gal. concrete reservoir, etc. $70,000. Private plans.

Tex., Boerne — Voted $75,000 bonds, waterworks, incl. distributing system and pumping unit. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Marathon—J. Allison made plans 13 mi. 4 in. mains on 45,000 acre ranch. $35,000. Private plans.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Tex., Sinton—Voted $8,000 bonds, purchasing pipe and pumping equipment for waterworks improvements. Address Mayor.

Tex., West Greenville (near Greenville)—Voted $65,000 bonds, waterworks. Address W. H. Cassell, mayor.

Okla., Cheyenne — Plans waterworks. $28,000. C. A. Wood, Stillwater, engr.

Okla., Purcell—Making preliminary plans water supply, incl. impounding reservoir, dam, pipe line, filter plant and equipment, etc. $90,000. Horner & Wyatt, 408 Bd. Trade Bldg., Kansas City, Mo., engrs.

Ore., Forest Grove—Voted $56,000 bonds, waterworks.

Calif., Stockton—San Joaquin Co. rejected bids Oct. 19, waterworks at Brete Harte Sanitarium.

Calif., Los Angeles—Edwards & Wildey Co., 609 South Grand Blvd., plans waterworks, incl. piping, tanks, reservoirs, pumping plant, etc., for sub-division. To exceed

Bids Desired

N. Y., Brooklyn — Nov. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues M and T, Atlantic, Bedford, Dumont, 21st and 23rd Aves., West, East 2nd, East 7th, East 12th Sts., etc., here.

N. Y., Long Island City—Nov. 4, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 36th, 41st, 56th, Myrtle and Woodbine Aves., Crescent, 42nd, 59th, 60th Sts., etc., here.

N. Y., New York—Nov. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Allerton, Arnow, Barker, Brinsmade, Givan and Grace Aves., etc., Bronx Boro.

N. Y., Sonyea—Nov. 30, by Dept. Mental Hygiene, Capitol, Albany, water lines and standpipe at Craig Colony, here. L. M. Farrington, secy.; adv. E. N.-R. Nov. 3.

Fla., Melbourne—Nov. 14, by W. K. Seitz, city mgr., 82,000 ft. 6- to 12-in. Class "B" or equivalent; c.i. pipe, 120 steamer hydrants; and ninety-six 6- to 12-in. gate valves, f.o.b. Melbourne. A. W. Howard, city engr.

Tenn., Nashville — Nov. 8, by Bd. Pub. Wks., pumping unit, incl. 75 hp. engine and centrifugal pump. G. H. Reyer, City Hall, supt. Waterworks.

O., Cleveland — Nov. 9, by Bd. Comrs. Cuyahoga Co., 4,600 ft. 6 and 8 in. c.i. mains in Worton Blvd., Impvt. 371; and 22,000 ft. 6 and 12 in. in Wooster Pike, Impvt. 1551. To exceed $50,000. F. Williams, Court House, engr.

Mich., Detroit—Nov. 16, by Bd. Water Comrs., 176 East Jefferson Ave., 40 m.g.p.d.

See proposal advertising on page 152

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

Benefit by the experience of thousands of engineers, superintendents and contractors who have used Leadite.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
Land Title Building - - Philadelphia, Pa.

NO CAULKING

Waterworks (Continued)

electric motor driven centrifugal pumping unit with auxiliary equipment. G. H. Fenkell, genl. mgr. and ch. engr., adv. E. N.-R. Nov. 3.

Mich., Royal Oak (Ind. br. Detroit)—Nov. 14, by R. B. Fleming, city clk., 211 East 3rd S ts., excavating and laying approximately 12,500 lin.ft. 48 in. c.i. or steel mains in Liverolds Ave., etc. B. J. Whitney, city mgr.; adv. E. N.-R. Nov. 3.

Ill., Chicago—Nov. 8, by City, Room 406, City Hall, 10 steel filter tanks at Experimental Filtration Plant, 69th St. and Oglesby Ave. R. W. Wolfe, comr. Pub. Wks.

Wis., Osseo—Nov. 16, by J. W. Smith, village recdr., drilling 8 or 10 in. well, 250 to 300 ft. deep. Druar & Milinowski, Globe Bldg., St. Paul, Minn., engrs. Noted Oct. 27 under "Sewers."

Ont., Hamilton—Dec. 7, by S. H. Kent, city clk., at office F. F. Treleaven, chn. Bd. Control, City Hall, steam turbine-driven or Diesel engine driven centrifugal pump and accessories for waterworks extensions. W. L. McFaul, city engr.

Bids Received

Wash., Aberdeen—C. A. Watkins, supt. Water Dept., (1st unit) concrete lined tunnel and sinking 2 shafts, one 60 ft. and other 180 ft. deep for new industrial water system on lower Wynooche, from Siems-Carlson Co., Portland, Ore. $550,000. Engrs. total est. $1,600,000. Noted Sept. 15.

Contracts Awarded

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenue T, Debevoise, Greene, Highland Aves., etc., here, to N. DiStefano, 257 Glenn Ave., Tompkinsville, $12,300. Noted Oct. 13.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 19th and Steinway Aves. etc., here, to Palladino Contg. Co., 1479 Park Ave., New York City, $9,847; and in 21st, 32nd and 54th Aves., etc., to Gregory Contg. Co., 351 East 124th St., $8,699. Noted Oct. 20.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St., wire fence around Wanaque Reservoir, to Atlas Fence Co., Inc., 37 Verona Ave., Newark, $83,923. Noted Aug. 25.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 806, to Keystone State Piping & Constr. Co., 746 East Venango St., $9,467; Contr. 901, to Acme Machine Co., 27 North 38th St., $13,000; Contr. 903, to A. P. Smith Mfg. Co., East Orange, N. J., $14,520; grand total $36,987. Noted Oct. 13.

Pa., Pittsburgh — City Controller, City County Bldg., McNaugher Reservoir, rein.-con., 600,000 gal. capacity, Lafayette St., to Pitt Constr. Co., Empire Bldg. $142,495. Engrs. est. $180,000. Noted Oct. 6.

Md., Rock Hall—Mayor and Councilmen, installing mains and appurtenances, to Standard Constr. Co., Baltimore, $5,042; erecting 75 m.g. tank and tower, 75 ft. high, to Pittsburgh Des Moines Steel Co., 50 Church St., New York City, N. Y., $5,110; also supplying and installing pumping equipment, to Baltimore Machine Wks., 111 South Paca St., Baltimore, $625. Grand total $10,777. Noted Oct. 13.

Fla., Bradenton—City Council, drilling and completing 12 in. well, approximately 800 ft. deep, to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va. Noted Sept. 15.

Michigan—D. W. Beauvais, clk. Ira Twp., Anchorville, complete waterworks, incl. mains, hydrants, pumping station and storage tank in Anchorville, Fair Haven and New Baltimore, to M. B. Gessner Co., Toledo, O., approximately $100,000. Noted Sept. 8.

Mich., Detroit—Dept. Pub. Wks., 4 complete units pumping electrically driven, for pumping sewerage Connors Creek Pumping Station, Jefferson and Clairpointe Aves., to Worthington Pump & Mchy. Corp., 115 Bway., New York City, N. Y., $153,734. Noted Aug. 11.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., 10,000 g.p.m. electrically operated centrifugal pumping unit, to Worthington Pump & Mchy. Co., 115 Bway., New York City, N. Y., $7,953. Noted Sept. 15.

Mich., Pontiac—Approximately 1 mi. 6 in. c.i. mains in LeBaron Subdivisions, to R. Rozario, Pontiac, $15,650.

Ill., Niles Center—For 6- to 12-in. c.i. mains in Harmswood St., to H. Rees & Sons, Mt. Prospect, $70,282, water stubs in Howard and Oakton Sts., to G. Hardin, 3139 Indiana Ave., Chicago, $81,244.

Kan., Irving—For 7,600 ft., 2- to 6-in. c.i. mains, 15 fire hydrants, 12 gate valves and boxes, to Roy Knox Constr. Co., Clifton, $15,340. Engr. est. $25,000.

Montana and North Dakota—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., St. Paul, Minn., general contract 14 water softening plants and equipment in Montana, and 9 in North Dakota, to E. J. Dunigan, 1012 Builders Exch. Bldg., St. Paul, Minn. Engrs. est. $300,000.

Okla., Alva—T. Keltch, city clk., new 19,800 ft. 12 in. flow line from wells to here, to G. M. Roebeck, Omaha, Neb., $43,-159. Engrs. est. $60,000.

Okla., Marshall—Extending waterworks, incl. well, triplex pump and motor, also 12,500 ft. 4- to 8-in. c.i. mains, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $23,780. Engrs. est. $25,000. Noted Oct. 6.

Okla., Rocky — New waterworks, incl. 8,700 ft. 4 and 6 in. c.i. mains, 50,000 gal. tank on tower, 40 g.p.m. pump and motor, etc., to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $18,600. Engrs. est. $21,-000. Noted Sept. 15.

Colo., Denver—Bd. Water Comrs., 1509 Cleveland Pl., 660 ft. 36 in. rein.-con. pipe laid in trench, to Locks Point Pipe Co., 1716 California St. at $10.25 per ft. Noted Oct. 13.

Ore., Burlington (Holbrook P. O.) — H. L. Gilbert, engr., 313 Couch Bldg., Portland, waterworks, here, for City, to Keating & Bade, Portland, $29,595. Engrs. est. $37,500.

Calif., San Francisco — Bd. Pub. Wks. taking bids auxiliary waterworks from 25th and Harrison Sts. to Evans Ave. and Rankin St. M. M. O'Shaughnessy, city engr.

Que., Beauharnois—Town, filtration system, to G. Archambault, 1584 Clarke St., Montreal, $70,000.

Sewers

Proposed Work

O., Hamilton — Making plans sewers in approximately 2¾ mi. River Rd., Hooven, Clinton, Chase, Carwin, Greismer, Pleasant and Fair Aves., $65,000; also sewers in Chestnut St. from 7th to 8th Sts., 8th St. from Chestnut to Rigdon Sts., and 9th St. from Walnut and Ridgon Sts., $3,823. W. Willard, Hamilton, engr.

Ill., Alton — Making preliminary plans complete sewerage system in Shields Valley Sanitary Dist. $60,000. J. E. Schwaab, City Hall, engr.

Ill., Aurora—Aurora Sanitary Dist. making plans and takes bids about Jan. 1, sewage disposal plant and intercepting sewers in various streets. $1,163,000. Alvord, Burdick & Howson, 6 South Michigan St., Chicago, engrs. Noted Sept. 29.

Ill., Hinsdale—Hinsdale Sanitary Dist. making plans sewage treatment plant. Pearse, Greeley & Hanson, 6 North Michigan Ave., Chicago, engrs.

Ia., Maxwell—Takes bids in November or December, sewage disposal plant, 58 manholes, lift station, 18,000 ft. 8 in. and 2,500 ft. 10 in. sewer pipe, etc. $35,000. Currie Eng. Co., Webster City, engrs. Noted Aug. 11.

Mo., Independence — Kansas City Independence Sewer Dist. making plans sanitary sewers covering 5,100 acres, incl. Independence, Englewood and Mt. Washington. $800,000. E. T. Archer & Co., and C. A. Hawkins, 609 New England Bldg., Kansas City, engrs.

Mo., St. Joseph — Making preliminary plans main sewer in 24th and Felix Sts., $34,000; 1,505 ft. 24 in. rein.-con. and 750 ft. 24 in. vitr. clay sewers in Smith St., $10,800; also 617 ft. 30 and 36 in. rein.-con. and 3,438 ft. 24 in. vitr. clay sewers, etc. in 9th and Pacific Sts., $99,000. W. M. Spann, City Hall, engr.

Tex., Sinton — Voted $25,000 bonds, sewers in various streets. Address Mayor.

Tex., Sonora—Voted $45,000 bonds, sewerage system. Address City Secretary, Sonora. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs.

Okla., Oklahoma City—Plans 20,100 ft. 10 and 12 in. sewers in Lincoln Terrace Addition. $37,000. B. M. Hart, City Hall, engr. Noted Feb. 17.

Okla., Picher—Defeated $66,000 bonds, sewerage system. Noted Sept. 8.

Calif., Lemoore—Made plans 50 lin.ft. 8 in. and 6,635 ft. 15 in. vitr. outfall sewer, also pumping plant, etc. C. C. Kennedy, Call Bldg., San Francisco, engr.

Ont., Hamilton—Plans extending sewers and overflow sewer in Wentworth St. Dist. $383,000. W. L. McFaul, City Hall, engr. Noted May 12.

Bids Desired

N. Y., Long Island City—Nov. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewer used temporarily for removing limited amount storm water in 218th St.; sewers in 164th (24th) St., Burrough Pl., 115th, Meyers, Fairbanks, and 32nd (Myrtle) Aves.

N. Y., New York—Nov. 10, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewer in Overlook Terrace from West 186th to West 187th Sts.

N. Y., St. George — Nov. 9, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sewer in Marine Way from Roma to Finley Aves.

N. C., Durham—Nov. 16, by City Council, outfall sewerage system, 5.5 mi. 10- to 18-in. vitr. terra cotta and 240 tons c.i. pipe and fittings, 30 tons reinforcing, disposal plant, Imhoff tank, sludge drying beds, etc. $160,000. R. W. Rigsby, city mgr.

N. C., Durham—Nov. 17, by City Council, sewage disposal plant, incl. grit and screen chamber, clarifiers, sludge digesters, approximately one acre trickling filters, pumping equipment, and incinerator. $170,-000. R. W. Rigsby, city mgr.

O., Cleveland — Nov. 9, by Bd. Comrs. Cuyahoga Co., 3,800 ft. 8- to 24-in. tile block sewer in Worton Blvd., Impvt. 321. R. F. Williams, Court House, engr.

O., Mansfield—Nov. 17, by City, 15,600 ft. 8- to 12-in. sewers, etc., in various streets. W. C. Statler, city engr.

O., Toledo—Nov. 22, by W. B. Guitteau, dir. Pub. Serv., Safety Bldg., sewage pumping station and equipment, Contr. 20. H. P. Jones & Co., 1601 2nd Natl. Bank Bldg., engrs.; adv. E. N.-R. Nov. 3.

Ind., Elkhart — Nov. 22, by Bd. Pub. Wks., sewer improvements. Burns & McDonnell Eng. Co., Kansas City, Mo., engrs.; adv. E. N.-R. Nov. 3. Noted Sept. 29.

Mich., Detroit — Nov. 9, by Dept. Pub. Wks., Detroit River Interceptor Sect. 6, in Franklin and Woodbridge Sts., 4,900 ft. monolithic concrete in tunnel, 14 ft. diam., 16- to 20-in. wall, etc. $300,000. P. A. Fellows, city engr. Noted Oct. 27.

Neb., Havelock — Nov. 9, by Trustees Sanitary Dist. 1, extending North Havelock Outlet Sewer. Scott & Scott, 427 Bankers Life Bldg., Lincoln, engrs. Noted Oct. 13.

Tex., Houston—Nov. 9, by O. F. Holcombe, mayor, sewer in Shepherd Dr. from Westheimer Rd. to Buffalo Bayou. $175,-000. J. C. McVea, city engr.

Okla., Anadarko—Nov. 7, by E. Allen, city clk., 21,600 ft. 6- to 10-in. sewers in various streets. $25,000. C. Riggins, Anadarko, engr. Noted Aug. 18.

Calif., Los Angeles — Nov. 9, by Los Angeles Co. Sanitation Dist. 5, 7,802 ft. 8- to 12-in. vitr. or machine made concrete trunk sewer in Rosecrans Ave. A. K. Warren, Law Bldg., engr.

Contracts Awarded

Conn., Hamden (br. New Haven)—For 27,000 ft. sewers in Highwood Section, to Lane Constr. Co., 37 Colony St., Meriden, $42,015.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to J. Gallo, 169-10 State St., Flushing, sewer in Skillman Ave. $5,860, Laurel Hill Ave. $1,914, 64th St. $4,166, 77th St. $3,148, 107th Ave. $3,275 and 138th St. $4,665; to Kennedy & Smith, Bradford St., Flushing, 212 St. $3,487, Van Alst Ave. $3,222, and Halle Ave. $1,112; to Flushing Contg. & Eng. Co., 66 Wyoming Ave., Hollis, 85th Ave., $751; to P. J. Greenough, 9919 Guylford Ave., Forest Hills, 27th St., $7,600; and to E. J. Kelly, Jr., 138th St., $5,300. Grand total $44,500. Noted Oct. 13.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 77th St., to J. H. Johnson, 37 Britton Ave., Elmhurst, $4,414; Jamaica Ave. and 212th St., to Winfield and Franklin, 221-60 92nd Ave., Queens Village, $4,707 and $3,128 respectively. Grand total $12,249. Noted Oct. 20.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Barnes Ave. and East 159th St., to A. Gregorio & Co., 1121 Neil Ave., $11,330 and $43,065 respectively.

N. Y., Syracuse — Bd. Contr. & Supply, City Hall, sewer in Comstock Ave., to Birt & Street Bros., Wieting Bldg., $35,358.

Ala., Birmingham—For 12 blocks sewer covering Collegeville section, negro suburb, to J. O. Taylor, 3416 Willow Ave. S., $131,-798. Engrs. est. $134,000.

O., Lakewood (br. Cleveland) — For Edgewater Intercepting Sewer, 5,100 ft. 48 in. Anco block pipe, to Randall-Cooper Co., Lorain, $125,798. Noted Mar. 3.

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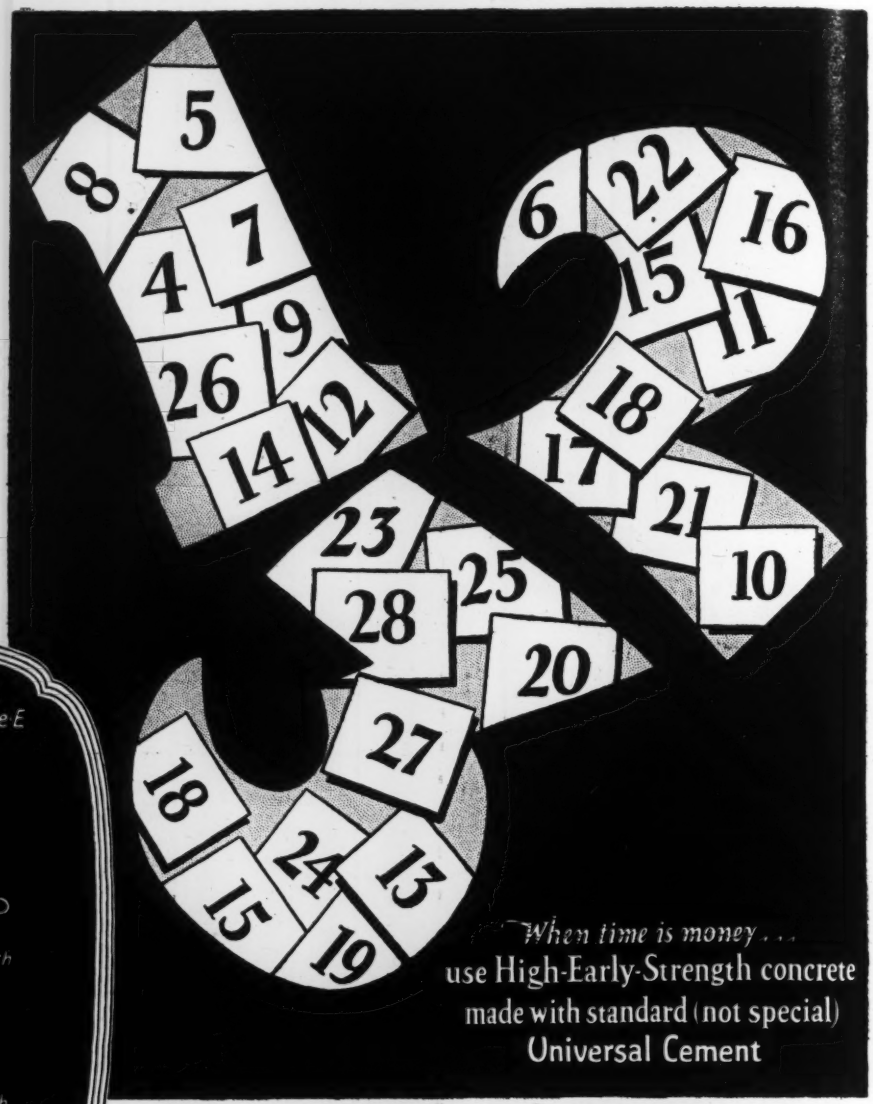

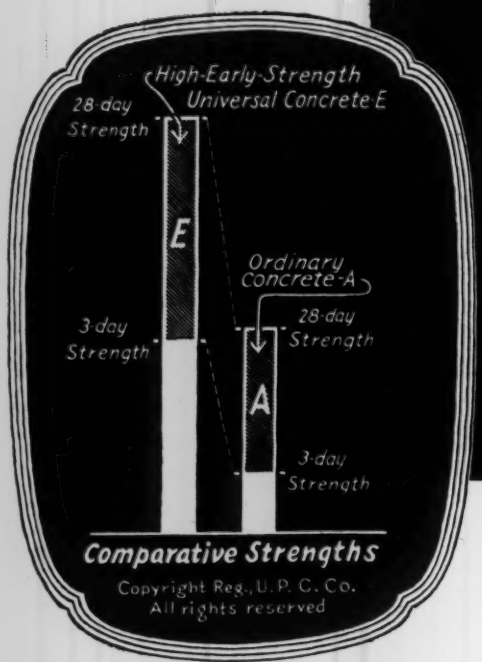

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You Can Do It With High-Early-Strength Concrete

Concrete with a *3-day* strength equal to the *28-day* strength of ordinary concrete; concrete with a *28-day* strength twice that of ordinary concrete; concrete that is *permanently* better and stronger than ordinary concrete—that is *High-Early-Strength* Universal Concrete.

By using it, you crowd *28 days* into *3 days*. And as this concrete has a higher *ultimate* strength in addition to a higher *early* strength, you secure a *permanently* better and stronger job. (See diagram.)

High-Early-Strength Universal Concrete is used on all types of jobs. It is made by using fully tested methods with the usual equipment, usual labor, usual materials, and usual Universal Cement. For full details, send in the accompanying coupon.

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High-Early-Strength Universal Concrete not only has a *3-day* strength equal to the *28-day* strength of ordinary concrete but also has a 28-day strength that is *twice* the 28-day strength of ordinary concrete, making it *permanently* better and stronger concrete. For complete details send in the coupon below.

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210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with the usual materials.

Name .....

Address .....

ENR 11-3-27

Sewers (Continued)

Mich., Pontiac—City and Oakland Co., 1,850 ft. 72 in. rein.-con. drain to Yellow Truck & Coach Mfg. Co. plant, to Bartling & Dull, 635 South Jessie St., $45,615.

Ill., Chicago—M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., Salt Creek Intercepting Sewer, Contr. 2, to Underground Constr. Co., 130 North Wells St., $1,864,720. Noted Sept. 16.

Ill., Niles Center—Sewer stubs in Howard and Oakton Sts., to O'Brien Bros., 152 North Central Ave., Chicago, $56,539.

Mo., Moberly—Complete sewage disposal plant, incl. grit chamber, clarifier, digestor bed, pumping equipment, etc., to Lynch-McDonald Constr. Co., Moberly, $32,500. Engrs. est. $32,559. Noted Sept. 29.

Mont., Great Falls—For 6,845 lin.ft. 30 and 36 in. pre-cast concrete sewers in various streets, to Nilson & Smith, Great Falls, $44,315.

Okla., Marshall—For 22,600 ft. 6- to 12-in. vitr. clay sewerage system, incl. disposal plant, Imhoff tank, etc., to Sherman Iron Wks., 18 East Main St., Oklahoma City, $46,475. Engrs. est. $50,000.

Ore., Gladstone — Constructing West Gladstone Sewerage System, to Settergren Bros. & Lind, Worcester Bldg., Portland, $49,327. Engrs. est. $65,000.

Calif., Los Angeles — Los Angeles Co. Sanitation Dist. 5, sewer between Western Ave. and junction with joint outfall sewer, to Fredrickson & Watson, 354 Hobart St., Oakland, $237,682.

Waste Disposal

Contracts Awarded

N. J., Point Pleasant—Bd. Town Council, general contract septic tank, etc., Central Ave., to S. S. Thompson & Co., Inc., Red Bank. Engrs. est. $150,000. Noted Sept. 29.

Bridges

Proposed Work

Pennsylvania and New Jersey—Modjeski, Masters & Chase, engrs., 1420 Walnut St., Phila., take bids about Nov. 15, sub-structure Tacony-Palmyra Bridge over Delaware River; and about Dec. 20, superstructure for same bridge. $4,000,000.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Div. of Bridges, takes bids early in January, Henry Ave. Bridge, masonry arch type over Wissahickon Creek, in Fairmont Park. $1,500,000. Modjeski & Chase, 1420 Walnut St., engrs. Noted Sept. 22.

Pa., Phila.—Takes bids in December or January, viaduct over Phila. & Reading R.R. tracks. $500,000. Modjeski, Masters & Chase, 1420 Walnut St., engrs.

Ga., Fitzgerald—E. M. Elliott & Associates, 3628 West 64th Pl., Chicago, Ill., plan rein-con. toll bridge across Okmulgee River, near here. $250,000. Noted July 7.

Miss., Biloxi—Harrison Co. (Gulfport) and State Hy. Dept., Jackson, soon take bids approximately 6,800 ft. rein.-con. and steel bridge, 20 ft. over Biloxi Bay, on Biloxi-Ocean Springs Rd., here. $600,000.

Mich., Mt. Clemens—Macomb Co. plans one span new bascule or swing bridge over Clinton River, on Jefferson Ave. $100,000. W. J. Lehner, Ulrich Bank Bldg., co. engr.

Ark., Augusta—State Hy. Comn., Little Rock, made preliminary plans rein.-con. and steel toll bridge over White River, here. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., consult. engrs.

Ark., Fulton—State Hy. Dept., Little Rock, plans rein.-con. bridge over Red River, here. $660,000. I. G. Hedrick, Inc., Shreveport, La., consult. engrs.

Tex., Austin—See "Streets and Roads."

Tex., Corsicana—See "Streets and Roads."

Tex., Galveston — Gulf Coast Dredging Co., 2311½ Ave. C, making plans creosoted pile and timber bridge, 80 ft. clearance between fenders over West Galveston Bay from Island side to Pelican Island. $150,000. J. E. Jacobson, 2311½ Ave. C, engr. Noted Oct. 13.

Tex., Quanah—See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 3 span 375 ft. steel truss bridge on piers over Illinois River, near Tallequah, Cherokee Co., $60,000; and 4 span 140 ft. rein.-con. bridge over Stillisaw Creek, on State Highway 17, Marbie City, Sequoyah Co., $35,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

California—State Hy. Dept., Sacramento, rejected bids, Oct. 10, rein.-con. bridge over Aliso Creek, Orange Co. Noted Sept. 29.

Bids Desired

N. J., Newark — Nov. 16, by State Hy. Comn., Trenton, constructing bridges, retaining walls and other structures, in portions Sect. 13, Route 1 extension, Essex Co., here. Former bids rejected. A. L. Grover, secy.; adv. E. N.-R. Nov. 3. Noted Oct. 6.

Alabama—See "Streets and Roads."

Iowa — Nov. 15, by State Hy. Comn., Ames, **(F. A. P. means Federal Aid Project, and B. P. Bridge Project)**, two 20 x 20 ft. truss spans and two 120 x 20 ft. high truss approaches on B. P. 30, Boone Co.; 120 x 20 ft. high truss bridge with two 40 ft. I-beam approaches, and two 160 x 20 ft. high truss span bridge with two 40 x 20 ft. I-beam approach spans to each high truss on B. P. 313, Henry Co.; one 32 x 24 ft. and 40 x 24 ft. I-beam, and 40 x 24 ft. concrete bridges, also 50 culverts and extensions on B. P. 302, Iowa Co.; 120 x 20 ft. high truss bridge and 30 culverts on F. A. P. 169, Madison Co.; 150 x 20 ft. high truss bridge with six 40 x 20 ft. I-beam approach spans, also 19 culverts on B. P. 69, O'Brien Co.; 3 span 40 x 24 ft. skew deck girder bridge, also 10 culverts and extensions on B. P. 555, Worth Co.; widening 32 x 18 ft. I-beam bridge to 24 ft. roadway, etc., on F. A. P. 280, Pottawattamie Co. R. F. White, ch. highway engr.

Ont., Ottawa — Nov. 12, by Secretary Federal Dist. Comn., 53 Queen St., steel superstructure for bridge over Ottawa River. $100,000. A. Stewart, 53 Queen St., supt.

Contracts Awarded

Mass., Cambridge (Boston P. O.) — Rebuilding 3rd St. bridge, concrete, over Broad Canal, to J. M. Tobin, 40 Central St., Boston, $25,455.

New York—T. F. Farrell, comr. Canals & Waterways, Albany, removing existing bridges and constructing highway crossing at 5 locations on Erie Canal, Madison Co., to Stowell Constr. Co., 800 Canal St., Syracuse, $26,927.

New York and New Jersey — J. E. Ramsey, ch. executive office, Port Authority, 75 West St., New York City, constructing concrete decks of Outerbridge Crossing over Arthur Kill, between Tottenville, N. Y. and Perth Amboy, N. J., to Cornell Contg. Co., Grand Central Terminal, New York City, $626,730; and Elizabeth-Howland Hook Bridge between Elizabeth, N. J. and Howland Hook, N. Y., to A. A. Volk Co., 1819 Bway., New York City, $478,650. Noted Oct. 27.

N. J., New Brunswick—Middlesex Co., Bridge 190, concrete encased, half through plate girder over South River, on South Amboy-Bordentown Rd., here, to Gust Wickberg & Sons, Perth Amboy, $43,000. Noted Oct. 13.

Pa., Duquesne — Allegheny Co., Court House, Pittsburgh, constructing piers, west abutment, west approach filling and temporary viaduct over Thompson Run, to Pitt Constr. Co., Empire Bldg., Pittsburgh, $96,465. Engrs. total est. $900,000.

Pa., New Kensington—See "Streets and Roads."

Virginia — Eastern Virginia Bridge Co., C. M. Ward, pres., 2314-A Grove St., Richmond, 1 mi. steel bridge over York River from Yorktown to Gloucester Point, to Winston Bros. Co., and H. H. Wilson, Harrisburg, Pa. Engrs. est. $1,250,000-$1,500,000.

Ala., Mobile — Alabama State Docks Comn., W. L. Sibert, chn., creosoted timber and steel viaduct across series railroad tracks, in northern section city, to J. W. Gilbert, 505 Canal St., $66,586. Noted Oct. 13.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, 100 ft. span steel viaduct, Elmhurst Pl., to R. Runck, 1411 1st Natl. Bank Bldg., $29,050. Noted Oct. 27.

O., Columbus—W. H. Duffy, dir. Pub. Serv., repairing North High St., viaduct, to Fritz-Rumer-Cooke Co., 209 South High St., $64,330. Noted Feb. 3.

O., Dayton — Montgomery Co., Court House, 250 ft. span steel through truss highway bridge with rein.-con. abutments, etc. over Stillwater River, on Siebenthaler Ave., near here, to Wiley Constr. Co., Ludlow Arcade, $98,832. Noted Sept. 22.

Ill., Chicago—City, Room 406, City Hall, 200 x 62 ft. substructure for trunnion bascule bridge with 38 ft. roadway over Calumet River, on 106th St., to Fitzsimons & Connell Dredge & Dock Co., 10 South LaSalle St., $394,415. Engrs. est. $490,000. Noted Aug. 18.

Wisconsin — State Hy. Comn. and A. Weishapple, comr. Pepin Co., 213 South Barstow St., Eau Claire, to J. E. Hinman & Son, Glenwood City, constructing Barron Bridge $13,258; Buchanan Bridge $14,725; Miles Bridge $5,400; and Bauer Bridge $2,160. Grand total $30,543. Noted Oct. 13 under "Streets and Roads."

Iowa—State Hy. Comn., Ames, two 200 x 20 ft. high truss spans with two 80 x 20 ft. pony truss approach spans on U. S. Highway 61, Bridge Project 77, Des Moines Co., to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., $79,500; one 70 x 20 ft. pony truss bridge to C. J. Kramme, Ft. Dodge, $9,549, also one 20 x 24 ft. concrete slab bridge, and 6 culverts on Primary Road 7, to T. F. Matson, Goodell, $5,735, both Project 537, Guthrie Co., one 60 x 20 ft. pony truss bridge with two 32 x 20 ft. I-beam approach spans on U. S. Highway 30, Bridge Project 14, Harrison Co., to G. W. Condon, 415 Farnam St., Omaha, Neb., $17,275; one 32 x 24 ft. I-beam bridge, concrete flooring and wood structures on Primary Road 141, Bridge Project 2, Woodbury Co., to Humphrey & Son, Cherokee, $2,990; also 5 culverts and 4 culvert extensions on U. S. Highway 32, Project 537, Cedar, Scott and Muscatine Counties, to L. Peterson, Cedar Rapids, $3,570. Grand total $118,619. Noted Oct. 13.

Kan., Morganville—Clerk Clay Co. (Clay Center), three 120 ft. span bridge with two 35 ft. I-beam approaches over Republican River, near here, to Finley-Butt Constr. Co., Nebraska City, Neb., $60,162. Engrs. est. $66,000.

Kan., Seneca—See "Streets and Roads."

Neb., Hershey—T. Lowe, Jr., clk. Lincoln Co., Court House, North Platte, nine 75 ft. pony truss span bridge over Platte River, near here, to General Constr. Co., 722 Peters Trust Bldg., Omaha, $42,278; approach and willow mattress, etc., for above bridge to David Scott & Sons, North Platte, $13,408. Noted Sept. 22.

Ark., Dardenelle—State Hy. Comn., Little Rock, steel and rein.-con. bridge over Arkansas River, on Federal Aid Project 244-A, here, Pope and Yell Counties, to Lakeside Bridge Co., North Milwaukee, Wis. Noted Sept. 22.

Idaho—See "Streets and Roads."

Wash., Bellingham—For L-shaped concrete span bridge over Great Northern & Milwaukee R.R. tracks, on Chestnut St., to W. T. Butler, Central Bldg., Seattle, $49,177. Engrs. est. $67,000.

California—State Hy. Dept., Sacramento, 3 rein.-con. girder bridges, in San Bernardino Co., to R. Johnson, Glendale, $75,111; also rein.-con. bridge over Stone Corral Creek north of Maxwell, Colusa Co., to Noble Bros., San Jose, $21,857. Noted Sept. 29.

Calif., Los Angeles—For Pacoima Ave. bridge over Los Angeles River, to J. Short, 329½ West 58th St., $49,835.

Dams

Proposed Work

Okla., Purcell—See "Waterworks."

Contracts Awarded

Tex., Tyler—Lake Park Resort, c/o T. Wilson, pres., rebuilding Lake Dam, spillway, etc., to Lucas & Lucas, Cushing, Okla., approximately $32,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Malden (br. Boston)—Morton Oil Co., 145 Medford St., plans dredging, driving piles, etc. in Malden River. $25,000 or more. Private plans.

N. J., Asbury Park—City Comn. plans dredging Wesley Lake. $25,000. G. W. Pittenger, Asbury Park, comr.

Louisiana — Orleans Levee Bd., New Court House Bldg., New Orleans, making plans concrete sheet piling levees along Orleans-Jefferson Parish lines. $2,175,300. R. B. Kohnke, New Court House Bldg., New Orleans, engr.

Ia., Cedar Rapids—Rejected bids 640 ft. rein.-con. river wall, 28 ft. high, on east bank Cedar River between 1st and 3rd Sts.

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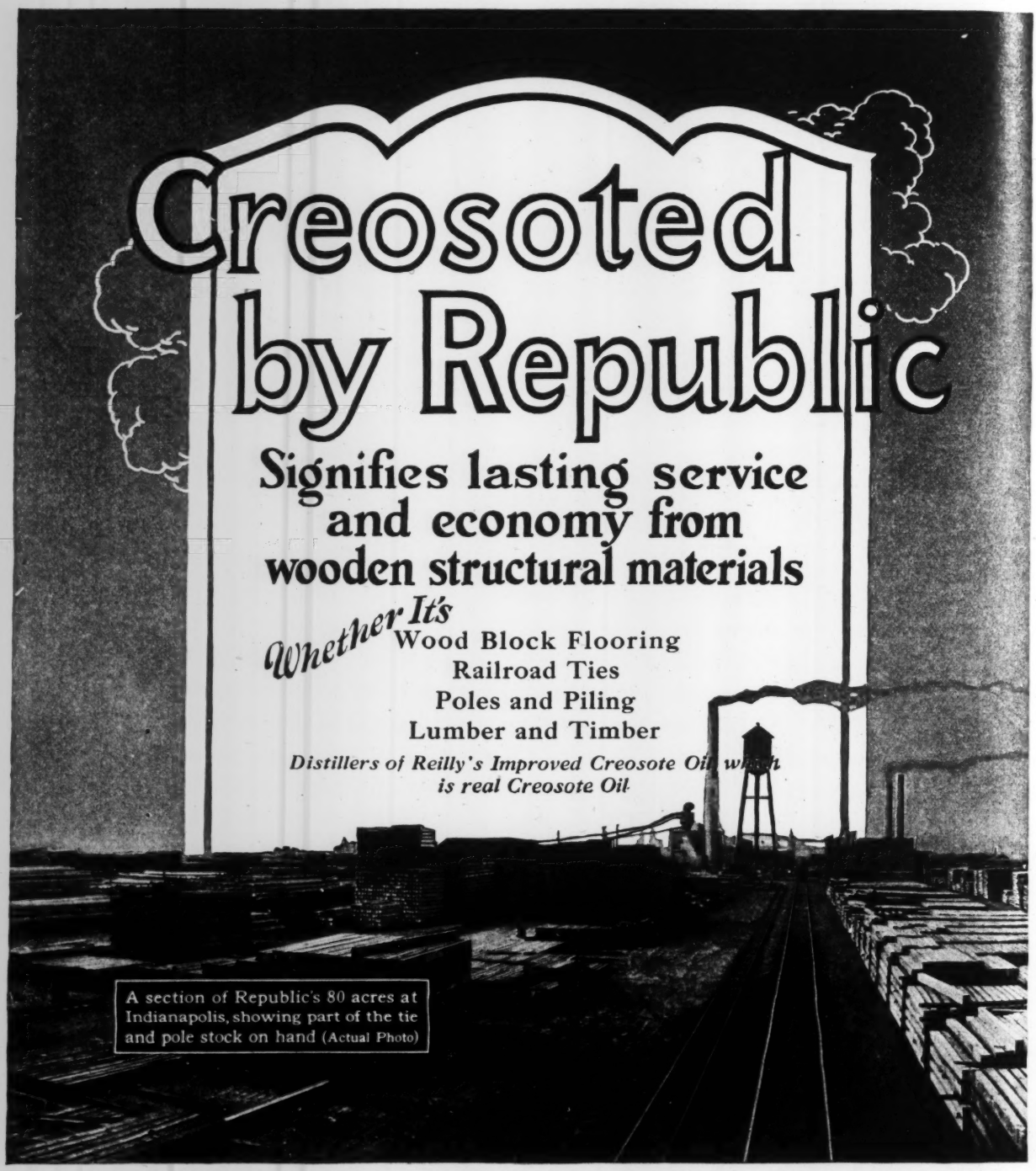

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OTHER PLANTS

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

R. W. Gearhardt, City Hall, engr. Noted June 20.

Mo., Kennett—Dunlin Co. making preliminary plans approximately 15 mi. levee along St. Francis River, approximately 1,750,000 cu.yd. excav., etc. A. C. Spilker, Bloomfield, engr.

Bids Desired

Tex., Galveston—Nov. 7, by J. M. Murch, aud. Galveston Co., filling 122,000 cu.yd. behind west end sea wall from city limits 57th St. to point near 61st St. Rd.

Calif., Grass Valley—Nov. 10, by B. W. Baldwin, secy. Nevada Irrigation Dist., constructing D-S Canal, Contr. 26, 133,400 cu.yd. common, 18,400 solid rock and 15,000 cu.yd. loose rock excav., etc.; also furnishing 5,040 lin.ft. No. 144 16 gage metal flume etc., Contr. 30. F. H. Tibbetts, Alaska Comm. Bldg., San Francisco, engr.

Calif., Tracy—Nov. 15, by J. C. Chrisman, secy. West Side Irrigation Dist., 14,150 cu.yd. excav., also 31,668 sq.yd. trimming and placing 2 in. hydrated concrete lining lower canal.

Calif., Ventura — Nov. 15, by L. E. Hollowell, clk. Ventura Co., excavating 3,700 ft. channel, 8 ft. deep, 18,000 cu.yd. earthwork.

Contracts Awarded

Conn., Bridgeport—See "Unclassified."

Louisiana — Bd. State Engineers, New Court House Bldg., New Orleans, 97,000 cu.yd. Brookston Levee, on right bank Mississippi River, St. James Parish, to D. B. Hearin & Son, Baton Rouge, at $0.2545 per cu.yd., total $24,735.

Louisana—Atchafalaya Basin Levee Dist., H. G. Parker, secy., c/o Bd. State Engineers, New Orleans Court Bldg., New Orleans, 8,000 cu.yd. levee repairs at Bayou Courtableau, to E. Firmen, Rosa, at $0.33 per cu.yd.; 17,500 cu.yd. in Sect. 2, to J. P. Hebert, Breaux Bridge, $0.70; and 185,500 cu.yd. Sects. 3, 4 and 5 to McWilliams Dredging Co., 226 Carondelet Bldg., New Orleans, $0.85.

Ill., Carrollton—Comrs. Hartwell Drainage & Levee Dist., 204,717 cu.yd. excav., to C. E. Walker, Cedar Rapids, $21,495. Noted Oct. 6.

Ia., Toledo—To L. C. Wood & Co., Alden, 45,700 cu.yd. excav. at $0.27 per cu.yd., 35,000 sta.yd. overhaul $0.02, and 200 ft. culvert labor $0.35.

Tex., San Antonio—Constructing 300 ft. concrete lined channel cut-off 22 ft. deep and 50 ft. wide in San Antonio River, to Walsh & Burney, 928 North Flores St., $30,733. Noted Oct. 24.

Que., Magdalen Island—Dept. Pub. Wks., Ottawa, Ont., drilling and blasting at Amherst Harbor, here, to Halifax Dredging Co. Ltd., Halifax, N. B., $16,950.

Ont., Sault Ste. Marie—Dept. Pub. Wks., Ottawa, dredging Areas 2 and 3, here, to Soo Dredging & Constr. Co. Ltd., Sault Ste. Marie, $136,000; and deepening channel approach to Government wharf, to A. B. McLean & Sons, Sault Ste. Marie, $16,800.

Streets and Roads

Proposed Work

Massachusetts—Dept. Pub. Wks., Boston, making surveys, widening Newburyport Turnpike in Malden, Saugus and Lynfield. $1,000,000. W. F. Williams, comr.

Mass., Brighton (sta. Boston) — Dept. Pub. Wks., Boston, plans laying out and constructing Gerald and Scottfield Rds. as highways. To exceed $25,000. J. H. Sullivan, comr.

Mass., Brighton (Sta. Boston) — Dept. Pub. Wks., Boston, plans widening and reconstructing section Western Ave., Centre and Roxbury Sts., here. $25,000 or more.

Mass., Boston—Dept. Pub. Wks. making plans widening and reconstructing Central Ave., Hyde Park and Union St., Brighton, as highway. $25,000 or more. J. H. Sullivan, comr.

Mass., West Roxbury (Sta. Boston)—Dept. Pub. Wks., Boston, plans widening and reconstructing Weld St., here. $102,000. J. H. Sullivan, comr.

R. I., Providence—Plans improving Hillside Ave. and Ray St. as highway. $25,000. Private plans.

N. Y., Brooklyn—Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, New York City, rejected bids Oct. 11, improving Shore Road Dr. Will probably readvertise. Noted Oct. 6.

Pa., New Bethelem — Plans grading, curbing and paving various streets. $45,000. E. W. Hess, Dubois, engr.

Pa., St. Marys — Made plans grading, curbing and paving various streets. $160,000. B. E. Willard, St. Marys, boro engr.

W. Va., Parkersburg—City Council soon takes bids concrete and rein.-con. paving, etc. portions Jeanette. Pearcy and Franklin Sts., 30 ft. J. V. Dunbar, Parkersburg, engr.

Miss., Ackerman — Choctaw Co. soon takes bids grading and graveling 18 mi. road east to Oktibbeha Co. line and west to Weir, 18 ft.

Miss., Meridian — Lauderdale Co. voted $800,000 bonds, grading and graveling, etc., 4 main highways.

La., Plaquemine — City Council takes bids after Nov. 2, grading, sidewalks and curbing various streets. $44,000. Swanson & McGraw, Inc., Balter Bldg., New Orleans, engrs.

La., Winnfield—Making preliminary plans grading, curbing and concrete paving various streets. C. D. Evans, 414 Levy Bldg., Shreveport, engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plan improving and bridging 10 mi. Adams-Guthrie Rd., Robertson Co. C. N. Bass, Nashville, comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Johnson City-Bristol Rd., Washington Co. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Cookeville—Voted $25,000 bonds, paving, etc., various streets. J. Whitson, mayor.

Tenn., Jonesboro—Washington Co. making plans improving Jonesboro-Carter Co. Line Rd. $30,000 appropriated. County Court, Jonesboro, engrs.

O., Hamilton — Making plans grading, curbing, walks and paving, etc., Franklin St. from Belt Line R.R. tracks to western terminus; also grading, curbing and paving, etc., 2,800 ft. Ross Ave. from B to Millville St.s $51,625. W. Willard, Hamilton, engr.

Ind., Elwood — Making plans concrete paving 1 mi. Sellers Rd., 25 ft. $29,000. A. Steele, Anderson, engr.

Mich., Detroit—Made plans concrete or Medina curbing, widening and 3½ in. sheet asphalt on 8 in. concrete paving 38,522 sq.yd. Gratiot Ave., Sect. 3. P. A. Fellows, city engr.

Mich., Pontiac—Murray, Gorman & Ross, C. P. A. Bldg., Detroit, making plans grading and concrete paving streets in Baldwin Dixie Hills Sub-division near here. $100,000. McGoughan & Ransom, Pontiac Bank Bldg., engrs.

Ill., East St. Louis — Soon takes bids curbing, brick paving, etc., 5,650 sq.yd. 29th St., $30,100; asphalt paving 11,290 sq.yd. and concrete paving 3,200 sq.yd., etc., 5th St., $64,200; curbing, 7 in. concrete paving, etc., 2,490 sq.yd. Belmont St., $12,100; and curbing, 8 in. concrete paving, etc., 8,940 sq.yd. 52nd St., $46,600. W. McK. Brown, City Hall, engr.

Ia., Council Bluffs—Soon takes bids grading and various types paving, etc., 15 blocks Euclid Ave., 8th, Hunter and 19th Sts., Avenues D and G. B. Walker, City Hall, engr.

Ia., Iowa City—Making plans 6 in. concrete paving 14 blocks various streets. $32,000. F. E. Young, city engr.

Kan., Hays—Ellis Co. plans grading, etc., 15.913 mi. Project 59, 28 ft. C. J. Londitsch, Hays, co. engr.

Kan., Hutchinson—Reno Co. made preliminary plans grading and concrete or bituminous concrete paving, etc. 8 mi. Sante Fe Trail 50 S, 18 ft. W. A. Stacey, Court House, engr.

Ark., Little Rock—Making preliminary plans grading, curbing and paving Dist. 465, also constructing subway under Misosuri Pacific R.R. tracks, on West 7th St. $125,000. W. T. Field, Gazette Bldg., engr.

Tex., Austin—Travis Co. making plans constructing roads and bridging 4.849 mi. State Highway 20, Federal Aid Project 478-C, Unit 1, 26 ft. $65,000. J. E. Motheral, 722 Cong. Ave., Austin, engr.

Tex., Beaumont—Making plans alternate type paving approximately 24 blocks Wall and Trinity Sts. $80,000. R. C. Black, city engr.

Tex., Corsicana—Navarro Co. making plans grading and bridging, 32.68 mi. State Highway 14 from Ellis Co. line to Freestone Co. lines, 26 ft. $320,000. A. B. Purnell, Corsicana, engr.

Tex., Hebbronville—Jim Hogg Co. making plans rock asphalt on 9 in. caliche surfacing 5.49 mi. Highway 12-A, Federal Aid Project 436-G, Unit 2, 17 ft. $45,000. E. J. Foster, Hebbronville, engr.

Tex., Johnson City — Blanco Co. voted $186,000 bonds, grading, and surfacing, etc., approximately 16 mi. Highway 108, San Antonio-Fort Worth air line road through county. Address W. Martiny, Johnson City, co. judge.

Tex., La Grange—Fayette Co. making plans gravel surfacing 3.3 mi. Highway 72 from Schulenberg to Lavaca Co. line, 17 ft. $40,000. R. E. Schiller, La Grange, engr.

Tex., Laredo—Webb Co. making plans concrete paving 13.246 mi. State Highway 12-A, Federal Aid Project 436-B, Unit 2, 18 ft. $202,600. T. E. Huffmann, Laredo, engr.

Tex., Odessa—Ector Co. voted $100,000 bonds, improving highways in Odessa Dist. Address T. S. Hendrick, Odessa, co. judge.

Tex., Quanah—Hardeman Co. making plans grading and bridging 8.371 mi. State Highway 5, 26 ft. $26,000. J. B. Nabors, Quanah, engr.

Kan., Sedan—Clerk Chautauqua Co., rejected bids Oct. 18, concrete paving 0.505 mi. and grading 4.495 mi. US 166, Project 384-A. Will readvertise. Noted Sept. 29.

Tex., Seymour—Baylor Co. making plans 2½ in. bituminous macadam surfacing 6.489 mi. Highway 24, Federal Aid Project 455-A, Unit 3, 18 ft. $56,540. H. S. Kerr, Seymour, co. engr.

Tex., Sinton—Voted $80,000 bonds, paving various streets. Address Mayor.

Tex., Sinton—San Patricio Co. voted $500,000 bonds, constructing roads. Address J. C. Russell, Sinton, co. judge.

Tex., Waxahachie — Waxahachie Dist. voted $200,000, Italy Dist. $166,000, and Milford Dist. $70,000 bonds constructing roads in Ellis Co.; also Ellis Co. defeated $100,000 bonds constructing lateral roads, and $70,000 bonds, Highway 6. Address H. R. St vall, Waxahachie, judge.

Oklahoma—State Hy. Comn., Oklahoma City, made surveys grading, pavng, etc., 8 mi. State Rd. 27, Caddo Co., 30 ft. $35,000. C. R. Mandigo, Capitol, Oklahoma City, highway engr.

Oklahoma—State Hy. Comn., Oklahoma City, made preliminary plans grading and 7 in. concrete paving 16,000 sq.yd. Highway 3, Pottawatomie Co., $37,500; also grading, etc., 10 mi. Highway 9 between Granite and Mangum, Greer Co., 35 ft., $35,000, and 10 mi. Highway 18, Pontotoc Co. $40,000. C. R. Mandigo, Capitol, engr.

Okla., Ada — Making plans grading, curbing and 6 in. concrete paving 10,220 sq.yd. Mississippi Ave. $31,800. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Forgan—Plans grading, curbing, guttering and graveling 2,200 cu.yd. Main St. $27,000. H. Donnelly, mayor. Engineer not selected.

Okla., Hobart — Making plans grading, curbing and 6 in. concrete paving 14,100 sq.yd. Souht Main St. $42,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Holdenville—Making plans grading, curbing and 6 in. concrete paving 8,100 sq.yd. 8th St. $27,000. C. H. Edge, Holdenville, engr.

Okla., Okemah—Making plans grading, curbing and 6 in. concrete paving 9,775 yd. North 8th St. $29,200. A. C. McCord, Okemah, engr.

Okla., Oklahoma City — Making plans grading, curbing and sheet asphalt paving 7,800 sq.yd. Harvey Ave. $33,000. B. M. Hart, City Hall, engr.

Okla., Snyder — Making plans grading, curbing and 6 in. concrete paving 7,800 sq.yd. Chestnut, Spruce and Oak Sts. $25,100. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs.

Okla., Tahlequah — Making preliminary plans grading, curbing and 6 in. concrete paving 13,000 sq.yd. various residential streets. $42,000. C. R. Morgan, Muskogee, engr.

Okla., Weatherford—Making plans grading, curbing and 6 in. concrete paving 9,775 sq.yd. Bway. and State St. $32,400. C. L. Wilson, Weatherford, engr.

Okla., Weleetka—Making plans grading and 7 in. concrete paving 9,240 sq.yd. Chickasaw Ave. $28,216. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

California—State Hy. Dept., Sacramento, rejected bids improving, etc., 3.4 mi. roadway between Camphora and east boundary Monterey Co.

Calif., Bakersfield — Kern Co. making surveys constructing approximately 18 mi. Mt. Breckenridge Rd. $120,000. P. J. Thornton, Bakersfield, co. surv.

Calif., Oakland — Made plans grading, curbing, guttering and 1½ in. Warrenite on 5 in. concrete paving, etc., 63,619 sq.ft. portions Camden, 60th and 61st Sts., etc. G. N. Randle, city engr.

Calif., San Diego—Common Council plans grading, curbing, walks and 6 in. asphaltic concrete paving 323,719 sq.ft. Winona Ave., etc.; also 128,523 sq.ft. 48th St. and Trojan Ave. H. W. Jorgensen, city engr.

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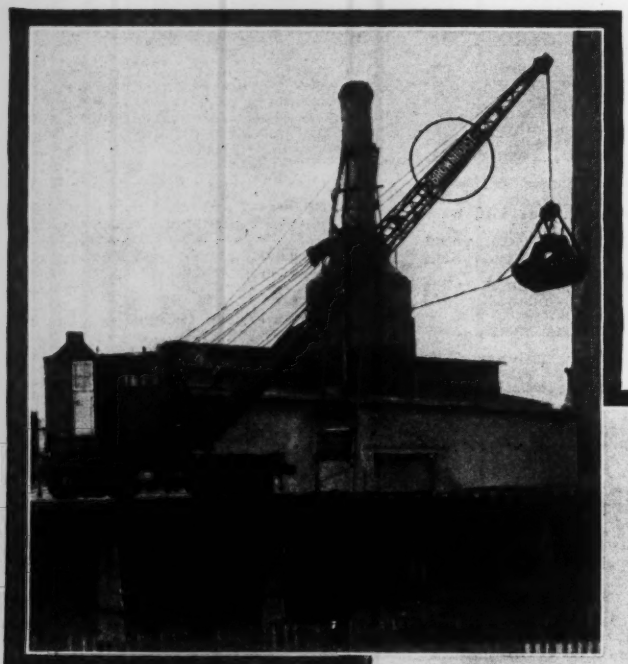
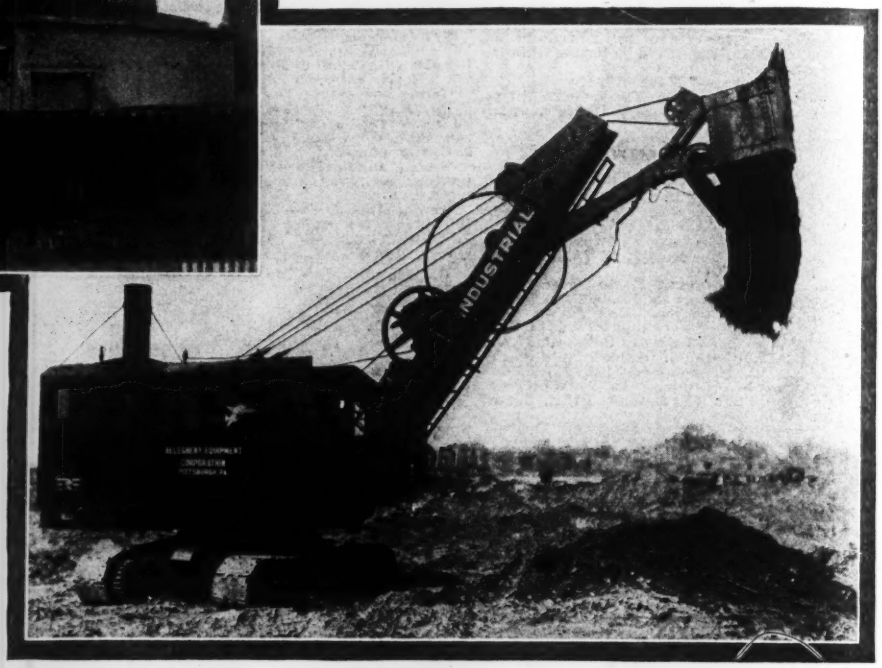
Dependable Trade-Marks for 50 Years





Above—Twenty-ton capacity steam locomotive crane.

At Right—Fifteen-ton capacity steam shovel crane. Also furnished with gas engine or electric power.

No company can offer you the wide choice of cranes for your work and none has had the long and valuable experience of Industrial Brownhoist in the economical handling of materials with crane equipment.

Industrial Brownhoist builds many different types of locomotive and wrecking cranes that range in capacity from 7½ to 200 tons. We also build crawler cranes and shovels, all of which types have proved their dependability in the hands of a great number of owners.

Economical handling is no problem if you have dependable equipment to do the work. Our sales engineer, who is located near you, would like to talk over your material handling methods with you. May he call?

Industrial Brownhoist Corporation

General Offices: Cleveland, Ohio.

District Offices: New York, Philadelphia, Pittsburgh, Detroit, Chicago, San Francisco, St. Louis, New Orleans, Bay City, Mich.

INDUSTRIAL BROWNHOIST

Streets and Roads (Continued)

Calif., Whittier—Plans curbing and 6 in. concrete paving, etc. portions Iowa St., etc.; and curbing, guttering and 7 in. concrete paving, etc. portions Beverly Blvd., etc. To exceed $25,000 each.

Calif., Yuba City—Sutter Co. made plans grading and asphaltic macadam paving, etc., approximately 7½ mi. Walton Ave., Franklin and Lincoln Rds., etc. in Rd. Dist. Impvt. 3. O. W. Lanzendorf, Yuba City, co. road comr.

Que., Montreal—Plans two boulevards 7 mi. long, along aqueduct at Water Ave. to Ville La Salle; 66 ft. $00,000.

Mexico, Tamaulipas, Reynosa—P. Clark, McAllen, Tex., making plans permanent paving various streets, here. $200,000.

Bids Desired

Mass., Boston—Nov. 10, by Park Dept., 33 Beacon St., grading Fens between Audubon Rd. and Fens Pond, Back Bay Dist. $30,000. Private plans.

N. Y., Brooklyn—Nov. 10, by J. J. Byrne, pres. Brooklyn Boro, curbing and flagging Blake and Troy Aves.; also grading and sheet asphalt on concrete paving, etc. West 9th St. and 9th Ave.

N. Y., St. George—Nov. 9, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Washington Ave.; bituminous macadam repaving Theresa Pl. and Nixon Ave.; also grading and bituminous concrete on concrete paving DeGroot and Union Pls., Taylor and Market Sts.

N. J., Eatontown—Nov. 23, by Bd. Freeholders Monmouth Co. Freehold, grading and rein.-con. paving 100,000 sq.yd. Shore Relief Rd., Eatontown to Asbury Ave., Ocean Twp., here. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Nov. 3.

Pennsylvania — Nov. 18, by State Hy. Comn., Harrisburg, grading, or rein.-con. paving, etc., approximately 28 mi. of 14 projects in Allegheny, Bucks, Butler, Clearfield, Dauphin, Greene, Lancaster, McKean, Mifflin, Northumberland, Potter, Cambria, Indiana, Westmoreland and York Counties. J. L. Stuart, secy. highways; adv. E. N.-R. Nov. 3.

Pa., Phila.—Nov. 7, by Dept. Pub. Wks., Bureau of Highways, Schedule A, grading 42,655 cu.yd. Malvern, Renovo, Sterling and 20th Sts.; Schedule B, asphalt paving, (assessment work), 12,477 sq.yd. Courtland, Ditman, Ogontz, Stiles and 21st Sts. G. H. Biles, dir.

Virginia — Nov. 8, by State Hy. Comn., Richmond, grading, etc. 4.86 mi. Route 10, Project SS-366-G, I and K, Dinwiddie and Nottoway Counties, 2.7 mi. Route 14, Project S-393-A Alleghany Co., and 0.6 mi. Route 21, Project S-492 Rappahannock Co.; also concrete paving 0.7 mi. Route 33, Project 458-D and E, Henry Co. C. S. Mullen, ch. engr.

Fla., Crescent City—Nov. 8, by Mayor and City Council, curbing, guttering and paving 3,800 sq.yd. various streets. H. S. Jaudon Eng. Co., Elberton, Ga. and Eustis, Fla., engrs.

Fla., Tavares—Nov. 15, by Comrs. Lake Co., at office T. C. Smyth, court clk., paving 32 mi. Special Road & Bridge Dist. 14. H. S. Jaudon Eng. Co., Eustis and Leesburg, engrs.

Alabama — Nov. 29, by State Hy. Dept., Montgomery, bituminous concrete, bituminous macadam, rock asphalt or sheet asphalt paving, etc. 252,800 sq.yd. roadway from Jasper to Marion Co. line and 252,800 sq.yd. roadway from Jasper to Marion Co. line both Walker Co., 106,000 sq.yd. roadway from Montgomery to Snowdoun Montgomery Co., 97,250 sq.yd. roadway from Browns Sta. to Uniontown Dalls and Perry Counties, 148,000 sq.yd. roadway between Davenport and Ft. Deposit Montgomery and Greenville Counties, 232,840 sq.yd. roadway from Line Creek to Tuskegee, Macon Co., and 232,840 sq.yd. roadway between Montgomery Co. line and Benton, Lowndes Co.; seal coat on bituminous macadam paving, etc. 220,600 sq.yd. roadway from Gunersville to Federal Aid Project 165, Marshall-Etowah Counties; local chert surfacing, etc. 17,558 cu.yd. roadway between Guntersville and Arab, Marshall Co.; bituminous and chert surfacing, etc. 2,000 sq.yd. portion Birmingham-Gadsden Rd., St. Clair Co.; removing railroad grade 10,000 cu.yd. roadway between Jacksons Gap and Camp Hill, Tallapoosa Co.; grading, etc. 12.22 mi. roadway from Mt. Willing to Wilcox Co. line, Lowndes Co.; also four 26½ ft. span concrete bridge over Cahaba River, and three span bridge over Little Cahaba River, both in Jefferson Co., and 3 bridges on road between Little River and Uriah, Monroe Co. W. Finnell, highway dir.

Ala., Birmingham — Dec. 10, by City Comn., 2 in. asphalt on 5 in. concrete paving, etc. 1 block 11th St., 40 ft., $4,850; 1 block 10th Alley S., 20 ft., $1,700; 2 blocks Lee Ave. and 15th Pl., 40 ft., $10,125; 3 blocks Bessemer Rd., Ensley, 30 ft., $14,260; 2 blocks 15th Ave. N., 40 ft., $9,115; also 10 blocks Ave. V, Ensley, 48th St., Ave. U, South Park Rd., 24th St. S. W., 30 ft., $49,000. A. J. Hawkins, city engr.

Ala., Birmingham — Dec. 10, by City Comn., 2 in. asphalt on 5 in. concrete paving, etc., 2 blocks 30th St. S. and 34th St. S. $10,000, 18 blocks 10th Ave. $98,500, 1 block 29th St. S. $6,850, 1 block Ave. U, Ensley and 11th Ave. $6,750, ½ block 15th Ave. $3,350, all foregoing 40 ft. wide; also 4 blocks 7th Court S. $21,900, and 4th Pl. W. $25,150, both 30 ft. wide. A. J. Hawkins, city engr.

Ind., Lagrange — Nov. 8, by Comrs. Lagrange Co., at office J. E. Zook, aud., graveling 15,838 ft. Weldon Haskins et al Rd. $12,373, 12,141 ft. Byron Bovee et al Rd. $11,704, and 13,255 ft. Samuel Devenbaugh et al Rd. $9,600.

Ind., Spencer—Nov. 8, by Comrs. Owen Co., graveling 5,321 ft. Sam Stevens Rd. C. F. Pectol, Spencer, aud.

Iowa — Nov. 15, by State Hy. Comn., Ames, paving 8.6 mi. U. S. Highway 20, Buchanan Co., 19 mi. Primary Road 10 Butler Co., 24 mi. U. S. Highway 20 Delaware Co., 18.1 mi. Primary Road 10 Clayton Co., 11.5 mi. U. S. Highway 34 Mills Co., 6.5 mi. U. S. Highway 34 Pottawattamie Co., 25 mi. Primary Road 3, Page Co., and 12 mi. U. S. Highway 34, Wapello Co.; also graveling 10 mi. Primary Road 15, Wright Co. R. F. White, ch. highway engr.

Kan., Clay Center—Nov. 22, by Clay Co., sand clay surfacing 9.375 mi. US 40-N, Project 161.

Kan., McPherson—Nov. 8, by McPherson Co., sand clay surfacing 9.404 mi. US 81, Project 156.

Texas — **Nov. 14,** by R. A. Thompson, state highway engr., Austin, gravel surfacing 40,342 sq.yd. Highway 8, Federal Aid Project 457-A, B, C, Unit 2. $104,000. S. B. Janes, Linden, resident engr. Noted Oct. 13.

Tex., Amarillo—Nov. 14, by J. W. Ryder, engr. Potter Co., 1 course gravel surfacing 9,000 yd. highway from Sect. 224 to Sect. 221. $30,000.

Tex., Ballinger—Taking bids and opens same about Nov. 1, alternate types paving approximately 24 blocks various streets. $40,000. Address T. R. James, city secy.

Tex., Bay City — Nov. 15, by Comrs. Court Matagorda Co., concrete paving 24,000 sq.yd. highway from near Rugeley to near Cedar Lane, Project 1-A. E. N. Gustafson, Bay City, co. engr.

Tex., Crockett—Nov. 14, by R. A. Thompson, state hy. engr., Austin, grading, etc., 6.613 mi. State Highway 19, Federal Aid Project 485-B, from Crockett north to Road Dist. Line 3 and 9 in Houston Co., $55,000, and 9.122 mi. same road Sect. D, from point 6.75 mi. south of here through Lovelady, $42,000, both 26 ft.

Tex., Kerrville—Nov. 14, by State Hy. Dept., Austin, grading, etc., approximately 11 mi. Highway 41 from Rael Co. line northeast to Mountain Home. $60,000. State Highway Dept., Austin, engr.

Tex., Linden—Nov. 14, by State Hy. Dept. Austin, iron ore gravel surfacing 7.44 mi. Highway 8, Federal Aid Project 457-B, Unit 2, Cass Co. $90,000. S. B. Janes, Linden, engr.

Tex., Richmond—Nov. 10, at office B. K. Patton, div. engr., 1707 Post Dispatch Bldg., Houston, ½ in. inverted penetration asphalt paving 10.4 mi. Highway 19, Fort Bend Co., here.

Washington—Nov. 22 by State Hy. Comn., Olympia, grading, etc. approximately 496,610 cu.yd. State Road 13, Grays Harbor Co.; crushed rock surfacing approximately 11,620 cu.yd. State Road 10, Okanogan Co.; also crushed gravel resurfacing, etc. approximately 6,300 cu.yd. State Roads 7 and 10, Grant Co. S. J. Humes, state highway engr.

Calif., Merced — P. J. Thornton, clk. Merced Co., taking bids grading, curbing, guttering, walks and 4 in. Willite asphaltic concrete paving, etc. Ragsdale Addition Impvt. Dist. 12. To exceed $25,000. W. E. Bedesen, Merced, co. surv. Noted Oct. 13.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam and rein.-con. paving 3,200 ft. highway in Malden and Medford, to F. J. McCarthy Contg. Co., 3 Endicott St., Boston, $40,123; bituminous macadam paving 18,154 ft. in East Bridgewater and Whitman, also 22,213 ft. highway in Weymouth Co., 18 ft., to Powers Bros., Montello St., Brockton, $96,836 and $131,780 respectively. Grand total $268,739. Noted Oct. 27.

New York—A. W. Brandt, comr. Highways, Albany, concrete paving 6.31 mi. Highway 8292, Bliss-Pike Rd., Wyoming Co., to E. C. Jones, Inc., Warsaw, $305,137. Engrs. est. $438,050. Noted Oct. 13.

N. Y., Long Island City—M. E. Connoliy, pres. Queens Boro, Queens Subway Bldg., to Slattery Contg. Co., 10 East 43rd St., New York City, grading, etc., 103rd Ave. $11,649, and Brinkerhoff Ave., $22,500; to Welsh Bros. Contg. Co., Queens St., Astoria, grading 100th St., $6,667; to W. P. MacDonald Co., Lawrence St., Flushing, sheet asphalt paving Wolcott Ave. $43,252, and Woolsey Ave. $23,608, to Cleveland Trinidad Paving Co., Flushing, 104th St. $10,815, and 42nd St. $10,235, to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, 126th St. $23,283, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Wayne St. $38,973, and 77th St. $30,580, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Jefferson Ave. $17,071, and Steuben St. $7,419, to Highway Impvt. & Repair Co., Furmans Island, Brooklyn, 95th Ave. $15,240, 95th St. $14,288, 106th St. $22,951, 91st Ave. $14,742, and 115th St. $15,933; to W. J. Fitzgerald, 547 West 45th St., New York City, 100th St. $30,166. Grand total $359,372. Noted Oct. 13.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Uvalde Asphalt Paving Co., 1 Bway., New York City, grading and sheet asphalt paving 125th St. $13,968, 89th St. $26,105, 91st Ave. $15,681, 86th Ave. $11,080, and Milwood $5,438; to Highway Impvt. & Repair Co., Furmans Island, Brooklyn, 85th Rd., $10,984; to W. P. MasDonald Constr. Co., Lawrence St., Flushing, Singer St. $20,938, and 14th Ave. $12,103; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Fosdick Ave. $11,045, and Walter St. $25,189; to W. J. Fitzgerald Co., 547 West 45th St., New York City, 15th Ave. $6,182, and Queens Blvd. $16,981. Grand total $176,090. Noted Oct. 20.

N. J., Toms River — Ocean Co., grading and concrete paving Main Shore Rd. in South Toms River, to E. T. McNierney, Bradley Beach, $32,095.

N. J., Union City—Sheet asphalt resurfacing, etc., Mountain Rd., 19th and 23rd Sts., to Clinton Asphalt Co., 308 16th St., Union City, $69,985.

N. J., Union City—Grading, curbing, and sheet asphalt repaving 17th St. from Palisade Ave. to Hudson Blvd., to Clinton Asphalt Co., 308 16th St., $53,090. Noted Sept. 22.

Pennsylvania—State Hy. Comn., Harrisburg, 6 and 8 in. concrete paving, etc., 26,700 sq.yd. Route 200-448, Crawford Co., to J. C. Devine, Alliance, O., $116,194; also 25,074 sq.yd. Applications 320 and 321, Westmoreland Co., to M. J. McMahon, Deposit Natl. Bank Bldg., DuBois, $95,588. Noted Sept. 8 and 29.

Pa., New Kensington—Controllers Westmoreland Co. (Greensburg) and Allegheny Co. (Pittsburgh), paving west approach to New Kensington Bridge 10 over Allegheny River, on 2nd Ave. and 9th St., here, to State Constr. Co., New Kensington, $33,153. Engrs. est. $50,000. Noted Oct. 6.

Pa., Phila.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., 2,400 cu.yd. granolithic sidewalks on Broad St. between Tabor Rd. and Grange Ave., Broad Street Subway Contr. 192, to Hyowitz & Sons, 317 South 6th St. $6,372. Noted Oct. 20.

Pa., Phila.—Dept. Pub. Wks. Bureau of Highways, to Eastern Asphalt Paving Co., 1504 Penna Bldg., asphalt paving (assessment work), Benner and Large Sts. $16,999, and Charles St. $7,475; to Barber Asphalt Co., 239 North 30th St., Bingham St. $34,898, and 50th St. $4,463; to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Brous St. $9,181, and Montague St. $5,538; to Union Paving Co., 123 South 21st St., Bristol St. $6,018, Manheim St. $20,465, and Queen St. $20,991. Grand total $126,028. Noted Oct. 20.

Md., Baltimore—Bd. Awards, improving area around Western High School, Gwynn Fallsway Pulaski, Warwick and Wheeler Aves., to D. Marine, 238 Albemarle St., $77,670. Noted Oct. 6.

Virginia—State Hy. Comn., Richmond, 6 and 8 in. concrete paving 2.2 mi. Route 29, Project S-156-B, Gloucester Co., to G. Y. Carpenter, Chester, $54,638; grading, 7 in. rock asphalt paving, etc., 0.644 mi. Route 10, Project S-497-C, Pulaski Co., to Warden Constr. Co., Pulaski, $22,830. Noted Oct. 13.

West Virginia — State Road Comn., Charleston, grading, etc., 1.37 mi. Johnnycake-Iager Rd., Project 3385 and 5.33 mi. Iager-Roderfield Rd., Project 3385-B, to Price Constr. Co., Huntington, $45,358 and $94,634 respectively, 3.46 mi. Iager-Roderfield Rd., Project 3385-C, to J. E. McComas, Huntington, $64,168, all in Mc-

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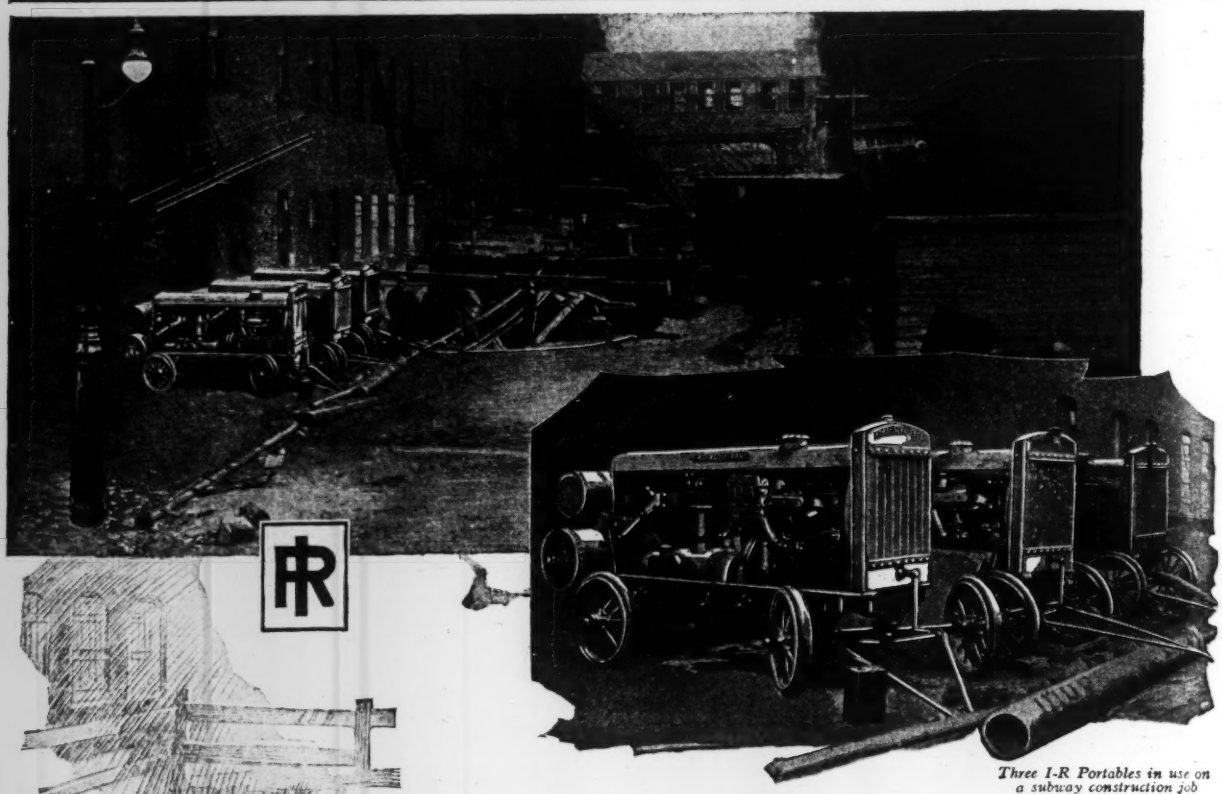

Three I-R Portables in use on a subway construction job

Twenty-Four-Hour Continuous Service—Six Days a Week

THE three Ingersoll-Rand Portable Air Compressors shown above supplied air to operate eight "Jackhamer" Rock Drills, one "Leyner" Sharpener, a No. 5 Oil Furnace, and one 30,000-lb. crane.

This job was run on three 8-hour shifts, meaning 24-hour service for the compressors. Not only that, but the work required full-load operation at all times. Despite these severe conditions, the compressors continued to work steadily, with only Sunday shut-downs, for a period of several weeks.

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127 P. C.

Streets and Roads (Continued)

Duvell Co. Grand total $204,360. Noted Oct. 6.

W. Va., Charleston—City Council, 7 in. rein.-con. paving, etc. Edgewood and two other streets, to K. E. Reed & Co., Charleston $29,512, and Clay and 4 other streets, to M. J. Smith, Charleston $31,895; also 7 in. concrete paving Branch and 7 other streets, to Bruce Constr. Co., Charleston, $43,934. Grand total $105,341.

Ala., Birmingham — City Comn. **(e.e. means engrs. est.)**, 2 in. asphalt on 5 in. concrete paving, etc., 4 blocks 10th Court, 11th Ave., 2nd and 11th Sts. W., 30 and 40 ft., to D. A. Burton, Jackson Bldg., $18,788 e.e. $20,000; 6 blocks 32nd Ave. N., 40 ft., to Dunn Constr. Co., Lincoln Life Bldg., $49,614 e.e. $50,000; 2 blocks 32nd Ave., 27th St. and 28th Pl. N., 30 ft., and 5 blocks 17th Pl. S. W., Princeton Court and St. Charles Ave., 30 and 40 ft., to Southern Roads Co., Pioneer Bldg., $10,306 and $12,545 respectively, e.e. $11,100 and $27,200 respectively. Grand total $105,253.

Ala., Brewton — Curbing, walks and paving, etc. Henderson St., Evergreen and Belleville Aves., to Interstate Constr. Co., Lake City, Fla., $38,838.

Ala., Decatur—City Council, 2 in. asphalt on 5 in. concrete paving, etc. 7 blocks Sherman St., 50 ft., to Municipal Paving Co., Nashville, Tenn., $40,300. Engrs. est. $42,000.

Ala., Trussville — Birmingham-Alabama Realty Co., grading and asphalt paving, etc., 2½ mi. various streets, to J. Gwin, Comer Bldg., Birmingham, $100,000.

Miss., Bay Springs—Jasper Co., grading and graveling, etc. 20 mi. Bay Springs-Laurel Highway, to Moody & Stewart, Poplarville, $67,162.

Miss., Grenada—Grenada Co., sub-grading, graveling, etc. 10.64 mi. Federal Aid Project 147-B, to C. J. Pennington, Grenada, $33,585; furnishing gravel for above road, to Batesville Gravel Co., Batesville, $31,523. Noted Oct. 6.

Miss., Pass Christian — Comrs. Harrison Co., Gulfport, filling and paving Front St. approach to Bay St. Louis Bridge, to Southern Paving Constr. Co., West Railroad St., Gulfport, $33,538.

Louisiana—State Hy. Dept., Baton Rouge, 10.258 mi. Atlanta-Montgomery Highway, Winn and Grant Parishes, to J. L. McKeithers, Grayson, $69,065. Noted Sept. 29.

Louisiana — State Hy. Comn., Baton Rouge, grading, graveling and broken stone paving 13.942 mi. Winnfield-Olla Highway, Federal Aid Project 177-A, Winn Parish, to J. W. McKeithen, Grayson, $135,955; and 11.338 mi. Winnsboro-St. Joseph Highway, Federal Aid Project 180-B, Route 48, Franklin Parish, to J. P. Herbert, Breaux Bridge, $111,489. Noted Sept. 15.

O., Beachwood (br. Cleveland) — To Mahoning Constr. Co., Parkman, paving, etc. Hurlinghan Rd. $17,901, Bryden Rd. $30,535, and Hendon Rd. $14,961; also to Skeldon & Ryan, Nicholas Bldg., Toledo, Litchworth Rd., $12,380. Grand total $75,777.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, asphaltic concrete paving, etc. 8,300 sq.yd. Mitchell Ave., to Scully Bros., 1011 Atlas Bank Bldg., $25,461. Engrs. est. $30,018.

O., Columbus—W. H. Duffy, dir. Serv., grading, curbing and asphalt paving, etc., 5,320 sq.yd. Deshler Ave., and 800 sq.yd. Kossuth St., to Franklin Asphalt Paving Co., 209 South High St., $17,222 and $3,146 respectively; also 4,640 sq.yd. Patterson Ave., to Fritz-Pyle Constr. Co., 209 South High St., $11,291. Grand total $31,659.

O., Portsmouth — Bd. Control, grading, widening and 4 in. brick on 6 in. concrete paving, etc., approximately 5,000 ft. Gallia St., 10 ft.; also Wilson and Harding Aves., Vermont and Cole Alleys, etc., to S. Monroe & Sons Co., Portsmouth, $28,828 and $10,320 respectively.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, concrete paving 0.51 mi. F.A. 31, Road 20, Porter Co., to Hinsey & Dull, Portland, $12,373, engrs. est. $12,657; 0.139 mi. F.A. 48, Road 20, Laporte Co., to Reith-Riley Constr. Co., Goshen, $9,817, and 3.185 mi. Road 10, Marshall Co., to Highways Impvt. Co., South Bend, $69,151 engrs. est. $79,417, all 18 ft. wide. Grand total $91,341. Noted Sept. 22.

Ind., Anderson—Comrs. Madison Co., concrete paving 1 mi. streets in Elwood, 25 ft., to M. Harmon, Elwood, $27,000. Noted Sept. 29.

Mich., Berkley—One course 8 in. concrete paving approximately 20,000 sq.yd. streets in St. Johns Woods Subdivision, Dists. 69 and 70, to R. D. Baker, Royal Oak, $61,720.

Mich., Bloomfield Hills (Birmingham P. O.)—Concrete curbing and one course concrete paving 12,000 sq.yd. streets in Devonshire Downs Subdivision, to Otis Cement Constr. Co., 419 Hammond Bldg., Detroit, approximately $35,000.

Ill., East St. Louis—For 7 in. concrete paving 14,407 sq.yd. 39th, 40th and 41st Sts., Fairlawn Paving Dist., to Keeley Bros. Constr. Co., 2100 State St., $78,530; 8 in. rein.-con. paving 1,324 sq.yd. 18th St., to Moore Bros. Constr. Co., 2000 St. Clair Ave. $5,650, and 2,530 sq.yd. 56th St., to L. Rich, Arcade Bldg. $12,089. Grand total $96,269. Noted July 28.

Ill., Niles Center—Paving 32,965 sq.yd. Lonnquist Rd., to Krenn & Doto, 936 North Michigan Ave., $120,976, engrs. est. $134,600; 75,200 sq.yd. Main St., and 7,710 sq.yd. Stielow Ave., to Arcole Constr. Co., Evanston, $308,988 and $52,972 respectively, engrs. est. $317,500 and $50,000 respectively. Grand total $482,936.

Wisconsin — State Hy. Comn., and A. Weishapple, comr. Pepin Co., 213 South Barstow St., Eau Claire, shale surfacing, etc., 5,350 cu.yd. Durland-Ellsworth Rd., State Project 5926, to M. W. Barnard & Son, 504 Globe Bldg., Minneapolis, Minn., $75,756. Noted Oct. 13.

Iowa—State Hy. Comn., Ames **(F.A.P. means Federal Aid Project and P.R.P. Primary Road Project)**, to McCarthy Constr. Co., Davenport, grading, paving, etc. 85,091 sq.yd. Tipton-Stanwood Rd., P.R.P. 114-C, Cedar Co., 5,500 lb. reinforcing, 15 flumes, etc. $204,455, to Union Constr. Co., 200 New York St., Des Moines, 128,027 sq.yd. Osceola Rd., P.R.P. 31, Clarke Co., 21 flumes, 27,500 lb. reinforcing, etc. $320,457, 98,367 sq.yd. Mt. Pleasant-Des Moines Rd., F.A.P. 56, Henry Co., 16 flumes, etc. $247,288, 94,357 sq.yd. Mt. Pleasant-Jefferson Co. line Rd., F.A.P. 151, Henry Co., 21 flumes, etc. $235,664, and 145,886 sq.yd. Chariton-Monroe Co. line Rd., P.R.P. 551, Lucas Co., 3,740 lb. reinforcing, 18 flumes, etc. $374,845, to A. F. Johnson Constr. Co., Minneapolis, Minn., 263,839 sq.yd. West Union Rd., P.R.P. 553, Fayette Co. $656,970, to Harrison Eng. & Constr. Co., Mutual Bldg., Kansas City, Mo., 261,292 sq.yd. U. S. Highway 161, F.A.P. 86, Jones Co., 18,920 lb. reinforcing, 63 flumes, etc. $537,347, to S. J. Groves & Sons Co., Minneapolis, Minn., 172,947 sq.yd. Albia-Lucus Co. line Rd., P.R.P. 554, Monroe Co., 22,000 lb. reinforcing, 34 flumes, etc. $442,324, and to Metz Constr. Co., Springfield, Neb., 85,647 sq.yd. Kennett-Northwood Rd., P.R.P. 555-A, Worth Co., 2 flumes, etc. $193,840; to Builders Material Co., Cedar Rapids, Ia., graveling 5.26 mi. Tampa Co. line Rd., P.R.P. 470, Benton Co. $14,098, 8.56 mi. Traer Rd., P.R.P. 309, Tama Co. $22,704, and 3 mi. Blairstown Rd., F.A.P. 258, Benton Co. $8,029, to Baumgardner & Schroeder, Wapello, 14.02 mi. Tipton-Scott Co. line Rd., F.A.P. 213, Cedar Co. $34,330, to McDougal Constr. Co., Moville, 7.85 mi. Washta-Correctionville Rd., P.R.P. 457 Cherokee, Ida and Woodbury Counties $4,803, and 15 mi. Newton Marshall Co. line Rd., P.R.P. 99-E, Jasper Co. $21,766, and to Flint Crushed Stone & Gravel Co., Des Moines, material on above road $12,422; to Lamereaux Bros., 418 Peters Trust Bldg., Omaha, Neb., grading 5.45 mi. U. S. Highway 30, P.R.P. 30, Boone Co. $79,050, and to M. P. Eischfried, New Hampton, 4 mi. U. S. Highway 18, Chickasaw Co. $2,625; to Balmat & Son Constr. Co., Clear Lake, 3,177 cu.yd. bridge fill on U. S. Highway 18, F.A.P. 177, Chickasaw Co., $1,430. Grand total $3,414,455. Noted Oct. 13.

Ia., Muscatine—Muscatine Co., graveling, etc., 19,290 cu.yd. Muscatine-Cone, Nicholas, and West Liberty Rds., to Moore & Eldredge, Clemons, $30,821.

Ia., Iowa City—For 2.5 and 3 in. brick, concrete and sheet asphalt paving, etc., 30 blocks various streets, to W. Horrabin Contg. Co., Iowa City, $74,376. Noted Oct. 13.

Ia., Keokuk—H. B. Blood, city clk., warrenite bitulithic paving, etc. 9,918 sq.yd. 10th St., to Cameron-Joyce-Smith-Elder Co., Keokuk, at $1.61 per sq.yd.; also 5,100 sq.yd. 3rd St. and 1,101 sq.yd. Franklin St., to William Horrabin Constr. Co., Iowa City, $1.65.

Ia., Tipton—Comrs. Cedar Co., graveling, etc., 14,000 cu.yd. Primary Road 74, to Baumgardner & Schroeder, Wapello, $34,330.

Ia., What Cheer—Auditor Keokuk Co., Sigourney, to J. P. Abramson, Des Moines, improving Primary Rd. 85, 1,050 cu.yd. excav. at $0.45 per cu.yd., and 11,651 yd. 6 in. concrete paving $2.25.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., concrete pavin- approximately 30,000 sq.yd. State Trunk Highway 52, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $76,419. Noted Sept. 29.

Kan., Dodge City — Ford Co., concrete paving 1.011 mi. US 50-S, Project 64-B, to Geiger & Rutherford, Leavenworth, $29,132; also 16.061 mi. culverts, and 3 bridges on US 50-S, Project 34-A, to V. Stewart, Cimarron, $8,624 and $5,542 respectively. Grand total $43,297. Noted Sept. 22.

Kan., Hutchinson—Reno Co., concrete paving 3 mi. K 17, Federal Aid Project 83-A, to Shultz Constr. Co., Wichita, $66,779. Noted Oct. 6.

Kan., Linn—Grading, curbing, guttering and gravel surfacing various streets, to Cook & Stucker, Ottawa, $35,328.

Kan., Seneca—Nemaha Co., grading 0.556 mi. Project 137-A, to J. Spitcaufsky, 2452 Benton St., Kansas City, Mo., $6,455; constructing 4 bridges, to S. B. Murphy, Centralia, $24,081; also Hill Bridge, one 60 ft. and two 20 ft. spans, to E. S. Alexander, Axtell, $8,090. Grand total $38,626.

Mo., Joplin—Concrete paving 3,920 sq.yd. 5th St., to V. E. Koch, 417.5 Joplin St., at $1.72 per sq.yd.; paving 6,600 sq.yd. 1st. St. and native lake asphaltic concrete paving 13,900 sq.yd. Connor Ave., to Granite Bituminous Paving Co., Ry. Exch. Bldg., St. Louis, $1.63; also bituminous amiesite repaving 3,375 sq.yd. Broadway Viaduct, to Independent Gravel Co., 220 West 4th St. $2. Noted Sept. 22.

Mo., St. Joseph—Concrete paving, etc, 3,655 sq.yd. Seneca St., to Reinert Bros. Constr. Co., 1208 North 5th St. $14,615, 1,208 sq.yd. Yale St., to Whitman Contg. Co., 911 Corby St. $3,621, and 1 alley, to Land Constr. Co., Kirkpatrick Bldg. $702; also brick surfacing, etc. 10,645 sq.yd. Messanie St., to P. P. Young, 4209 St. Joseph Ave., $27,579. Grand total $46,517. Noted Oct. 6.

Ark., Arkadelphia — Curbing, guttering and concrete paving 65 blocks various streets, to Phoenix Constr. Co., Ft. Smith.

Tex., Hearne—Asphalt on 5 in. concrete paving various streets, to San Jacinto Constr. Co., Houston, $153,248.

Tex., Houston—City **(e.e. means engrs. est.)**, 2 in. asphalt on 6 in. concrete surfacing 4,800 ft. North Main St., 45 ft., to Smith Bros., Inc., 2402 West Dallas St., $64,511 e.e. $80,000, 2,500 ft. Woodhead St., 35 ft., to Uvalde Rock Asphalt Co., Post Dispatch Bldg. $32,272 e.e. $40,000, and 2,075 ft. Polk Ave., 35 ft., to Gulf Bitulithic Co., 2820 Polk Ave. $25,203 e.e. $30,000; also two-course bituminous treatment on gravel surfacing 19,230 ft. Harvard St., 35 ft., to S. Shambaugh, 1401 Dowling St., $54,048 e.e. $65,000.

Tex., Houston — Hermann Hospital Estate, et al., Oct. 11, 2 in. asphalt 6 in. concrete paving 32 blocks streets in Hermann Park addition, to Gulf Bitulithic Co., 2820 Polk Ave., $114,598. Engrs. est. $120,000.

Okla., Enid—Grading, curbing and sheet asphalt paving 5,800 sq.yd. 9th St., to Hyde Constr. Co., Amer. Bank Bldg., $28,721. Engrs. est. $30,000.

Okla., Oklahoma City—Grading and sheet asphalt paving, etc. 8,000 sq.yd. 15th St., to Western Paving Co., Tradesmens Bldg., $46,498. Engrs. est. $47,500.

Okla., Seminole—P. Noe, city clk., grading, curbing and 7 in. concrete paving 23,740 sq.yd. streets in Dists. 12 and 14, to Standard Paving Co., 1742 East 6th St., Tulsa, $82,216. Engrs. est. $84,000. Noted Oct. 6.

Idaho—State Hy. Comn., Boise, graveling, etc., 14,000 cu.yd. Project 21 C-32-D, and 39-C, Elmore and Gooding Counties, to D. Reed, Twin Falls, $22,925, and 19,000 cu.yd. Project 96-C, Bear Lake Co., to C. A. Robinson, Twin Falls, $84,480; also constructing 875 ft. timber bridge on Project 395 between Cassia and Minidoka Counties, to H. D. Burley, Burley, $17,999. Grand total $125,404. Noted Oct. 20.

California—State Hy. Dept., Sacramento, paving, etc. 1.9 mi. roadway between Salinas and Santa Rita, Monterey Co., to C. Wimmer, Santa Barbara, $55,499.

Calif., Chico—Grading and asphaltic concrete paving, etc. Cypress and Olive Sts., etc., to J. E. Johnston, E and Weber Sts., Stockton, $25,008. Noted Sept. 29.

Calif., Los Angeles—Grading and concrete paving, etc. Mattison and Fairview Sts., etc., to C. W. Shafer, South Hill St., $25,287.

Calif., Los Angeles—Grading and 8 in. concrete paving, etc., 166,929 sq.ft. Bradley and Sheldon Ave. Impvt. Dist., to McCray Co., 4482 Worth St., $51,657. Noted Oct. 28.

Calif., Los Angeles — Grading, curbing, guttering and paving, etc., Sherman Way, to G. R. Curtis Paving Co., 2440 East 26th St., $208,163; also improving 6th St., to M. Simunovich, 3305 West 66th St., $40,673.

Calif., Monterey—Grading and 5 and 7 in. concrete paving, etc., San Bernabe Dr., etc., to J. L. Conner, Monterey, $25,149.

Calif., Monterey Park—A. W. Langley, city clk., curbing guttering and 3 in. Durite asphaltic concrete on 3 in. disintegrated rock paving, etc. 133,300 sq.ft. Fremont

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Streets and Roads (Continued)

Ave. and Mabel St., etc., to Hall-Johnson, 905 Westminister St., Alhambra, $25,310.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., grading and asphaltic concrete paving, etc. Regent St., Ramona and Redwood Aves., etc., to Peninsula Paving Co., 58 2nd St., San Francisco, $55,827.

Calif., San Diego—Common Council, curbing and 6 in. concrete paving, etc. 198,288 sq.ft. Narragansett Ave., to B. Noble, Spreckels Bldg., $49,200.

Calif., San Diego—Grading, walks and 6 in. asphaltic concrete paving, etc., 271,-911 sq.ft. 46th St., etc., to D. H. Ryan, 1615 Fern St., $82,310; also curbing, walks and 1½ in. asphaltic concrete paving 103,362 sq. ft. Alabama St., etc., to Griffith Co., 1308 Newton Ave., $40,638. Noted Oct. 6.

Calif., San Francisco—Bd. Pub. Wks., curbing, walks, widening, concrete and asphaltic concrete paving, etc. San Jose Ave., to E. T. Treacy, Call Bldg., $24,519. Noted Oct. 12.

Calif., San Jose — Grading, guttering, walks and concrete paving, etc. portions Moore and Chapman Sts., etc., to Prentiss Paving Co., Keyes and 5th Sts., $39,665.

Calif., Santa Monica—Durite asphaltic concrete paving, etc. portion 3rd St., to Kneen Paving Co., Dudley Blk., $29,955.

Calif., Santa Paula—To Southwest Paving Co., Washington Bldg., Los Angeles, improving portion Oakdale Pl., 1,000 sq.ft. 4 in. asphaltic concrete paving at $0.17 per sq.ft., 10,000 sq.ft. 3 in. $0.135, and 126,000 sq.ft. 2 in. $0.10, etc. Noted Sept. 29.

Calif., Signal Hill — Grading, curbing, guttering and bituminous paving, etc., portion Willow St., also grading, bituminous and asphaltic concrete paving, etc., portions 19th and 20th Sts., to Griffith Co., Railway Bldg., Los Angeles, $57,025 and $25,700 respectively.

Ont., Mimico—Concrete curbing, guttering and asphalt on concrete paving approximately 16,000 sq.yd. Lake Shore Rd., to Warren Bituminous Paving Co., 54 University Ave., Toronto. Engrs. est. $79,000.

Ont., Toronto—York Twp., concrete curbing, guttering and bitulithic concrete on concrete paving approximately 9,000 sq.yd. Dufferin St., to Warren Bituminous Paving Co., 54 University Ave., $42,738. Engrs. est. $45,000. Noted Sept. 29.

Buildings—Commercial

Proposed Work

Me., Bangor—STORE and OFFICE—Coe Estate, c/o G. W. Banton, 116 Hammond St., having plans prepared by Crowell & Lancaster, Exch. Bldg., 3 story and basement, 155 x 175 ft., brick, plain foundation, Main, Cross and Columbia Sts. To exceed $150,000.

Mass., Boston — APARTMENT — Owner, c/o R. T. Jackson, archt., 77 River St., having preliminary plans prepared altering 4 story and basement, brick, plain foundation, 507 Beacon St. $150,000.

Mass., Boston—MEDICAL WARD—City, Hospital Dept., J. P. Manning, soon takes bids 8 story and basement, 50 x 140 ft., brick and limestone, plain foundation, Harrison Ave. $600,000. J. H. Ritchie & associated, 250 Stuart St., archts.

Mass., Boston—OFFICE—R. M. Robbins, 209 Washington St., having revised plans prepared by J. W. Beal & Sons Co., 185 Devonshire St., altering and constructing 4 story and basement, brick and stone addition, plain foundation, 360 Commonwealth Ave. $150,000. Former bids rejected. Noted July 7.

Mass., Boston — STORE and OFFICE — S. J. Lowe, 1 State St., and E. N. Wyner, 18 Tremont St., soon take bids 3 story and basement, 40 x 240 ft., brick, steel and stone, plain foundation, 221 Washington St. $150,000. Noted Oct. 20.

Mass., Cambridge (Boston P. O.) — APARTMENT — Harlow Realty Co., 4 Brattle St., having preliminary plans prepared by Hanilton & Harlow, 4 Brattle St., 4 story and basement, brick and plain foundation, Bowdoin St. To exceed $150,000.

Mass., Cambridge (br. Boston)—STORE and OFFICE—Estate of J. H. Corcoran, 587 Massachusetts Ave., takes bids about Nov. 10, altering and constructing 2 and 3 story and basement, brick and stone, plain foundation, Massachusetts Ave. and Central Sq. $150,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts. Noted Oct. 27.

Mass., Fall River—HOME—B. P. O. E., G. Crime, chn. com., 8 South Main St., plans altering and constructing addition, Bank and Purchase Sts. $150,000 or more. Engineer and architect not selected.

Mass., Franklin — THEATRE and STORE—R. Vozella, City Mill, plans 2 story and basement, brick and steel, East Central St. $150,000-$160,000. Engineer and architect not selected.

Mass., Holyoke—BANK—Holyoke Savings Bank, L. S. Ayen treas., having plans prepared by Hutchins & French, 11 Beacon St., Boston, 1 story and basement, 60 x 105 ft., rein.-con., brick and steel, plain foundation, Chestnut and Suffolk Sts. $150,000.

Mass., Lawrence—HOSPITAL—City, J. J. Deacy, doctor, 32 Lawrence St., head Hospital dept., plans hospital To exceed $150,-000. Engineer and architect not selected.

Mass., Lynn — CLUB — Boys Club of Lynn, F. A. Strong, supt., having plans prepared by Sanborn & Weed, Lynn Item Bldg., 3 story and basement, 75 x 130 ft., brick, plain foundation, 11-15 Pleasant St. $150,000. Noted May 12.

Mass., Newburyport — MASONIC TEMPLE—Masonic Temple Assn., having plans prepared by Ashton, Huntress & Alter, 477 Essex St., Lawrence, 2 and 3 story and basement, 80 x 100 ft., brick and stone, plain foundation, Green St. $150,000. Noted Sept. 22.

Mass., Newton (Ind. br. Boston)—THEATRE and STORE—Abramson & Bennett, Taylor Bldg., Auburn St., Auburndale, having plans prepared by J. A. Tuck, 164 Lincoln St., Boston, 2 story and basement, brick, steel and stone, plain foundation, Lexington St. $150,000.

Mass., Revere — AMUSEMENT HALL and STORE — Ridgeway Constr. Co., 11 Pemberton Sq., Boston, having sketches made by C. R. Greco, 11 Beacon St., Boston, 2 or 3 story and roof garden, rein.-con., brick and steel amusement hall, ballroom and stores, Revere Beach Blvd. $150,000-$300,000. Noted Oct. 20.

Mass., Winchendon — BANK — First Natl. Bank & Winchendon Savings Bank, c/o T. M. James Co., archts., 3 Park St., Boston, having sketches made 2 story and basement, rein.-con., brick and steel, Central St. $150,000. Noted Aug. 4.

R. I., Providence — MEMORIAL — City, City Clerk, City Hall, takes bids about Nov. 15, war memorial, 115 ft. high, stone, City Hall Park. $300,000. P. P. Cret, 1523 Chestnut St., Phila. Pa., archt. Noted July 14.

Conn., Hartford—OFFICE and STORE—Central Co., c/o S. Elsner, 75 Pearl St., had plans prepared by Whiton & McMahon, 805 Main St., 6 story, brick, steel, marble, tile and concrete, Main and Asylum Sts. $750,000. Noted May 26.

Conn., Hartford—OFFICE and STORE—Central Co., c/o S. Elsner, 75 Pearl St., plans 12 story, brick and steel, Main and Asylum Sts. To exceed $150,000. Engineer and architect not selected.

Conn., West Haven (br. New Haven)—APARTMENT—N. Spadoni, 169 Elm St., plans brick and steel, Elm and 4th Sts. $150,000. H. Cannici, 59 Center St., New Haven, archt.

N. Y., Annadale (mail Eltingville)—HOTEL—Kradel & Son, Inc., c/o H. Wolff, archt., 30 East 23rd St., New York City, takes bids about Dec. 15, 3 story and basement, 92 x 206 ft., brick and steel, Annadale Shores, here. $150,000.

N. Y., Brooklyn—APARTMENT—Brooklyn Syndicate, c/o Sloan & Robinson, archts., 420 Lexington Ave., New York City, having plans prepared apartment, Kings Highway and East 27th St., here. $1,000,000.

N. Y., Brooklyn—OFFICE—Corner, Bell, Russell & McNulty, 375 Pearl St., had plans prepared by Slee & Bryson, 160 Montague St., 6 story and basement office building, Willoughby and Jay Sts.

N. Y., New York — APARTMENT — Charles Lee Building, Inc., 41 East 42nd St., having plans prepared by C. Kreymborg & Son, 2534 Madison Ave., 6 story and basement, Pelham Parkway and Cruger Ave. $315,000.

N. Y., New York—APARTMENT—M. J. Holding Co., 590 East 161st St., having plans prepared by A. Rosenberg, 1440 Bway., 6 story and basement, brick and timber, plain foundation, 169th St. and Merriam Ave. $150,000.

N. Y., New York — EXCHANGE — New York Telephone Co., 15 Dey St., had plans prepared by Voorhees, Gmelin & Walker, 101 Park Ave., 3 story and basement, 40 x 90 ft., brick and steel, East 56th St. $800,-000. Noted Oct. 21, 1926.

N. Y., Yonkers—APARTMENT—A. A. Carr, 1 Bright Pl., takes bids about Dec. 20, 3 and 4 story and basement apartment. $800,000. W. Haugaard, 185 Madison Ave., New York City, archt.

N. J., Belleville (br. Newark)—APARTMENT — N. Harris, archt., 20 Branford Pl., Newark, soon lets contract 5 story and basement, 50 x 125 ft., brick and steel, plain foundation, 169-71 Washington St. $150,000. Owner's name withheld. Noted Oct. 6.

N. J., Camden—BANK and OFFICE—First Natl. Bank of Camden, 2 Market St., had plans prepared by Simon & Simon, 249 Juniper St., Phila., Pa., 5 story and basement bank and office building, Bway and Cooper St. $825,000. Noted Jan. 27.

N. J., Hackensack — GARAGE — Owner, c/o J. L. T. Tillock, archt., 173 Main St., having sketches made 5 story and basement, rein.-con., brick and steel, plain foundation. $200,000.

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Montclair—APARTMENT HOTEL—A. F. Company, J. Mooney, Inc., 472 Bloomfield Ave., plans brick and steel, Church St. $300,000. Engineer and architect not selected.

N. J., Montville—CLUB—Lake Valhalla Country Club, 1060 Bway., Newark, having plans prepared by F. G. Hasselman, Grand Central Terminal Bldg., New York City, 1 story, 75 x 300 ft., brick, plain foundation, here. $150,000. A. H. Summerfield, c/o owner, engr.

N. J., Newark—APARTMENT—Owner, c/o H. F. Clark, archt., 38 Clinton St., having plans prepared 12 story and basement, brick and steel, plain foundation, Wequohic Park Sect. $750,000.

N. J., Newark—APARTMENT—Owner, c/o Myers, Bigelow & Shanley, archts., 24 Walnut St., having sketches made 5 story and basement, brick and steel, plain foundation, Chancellor Ave. $150,000.

N. J., Newark—OFFICE and HOTEL—Owner, c/o W. E. Lehman, archt., 972 Broad St., having plans prepared 15 story and basement, brick and steel, plain foundation, Bridge and Broad Sts. $1,500,000.

N. J., Newark — STORE and APARTMENT — Owner, c/o B. Cirlincione, archt., 229 Orange Ave., having plans prepared 4 story and basement, brick and steel, plain foundation, Mulberry St. $150,000.

N. J., Newark — RAILROAD STATION and TERMINAL — Pennsylvania R.R. Co., T. J. Skillman, ch. engr. Broad St. Sta., Phila., Pa., had preliminary sketches made by McKim, Mead & White, 101 Park Ave., New York City, N. Y., railroad station and terminal facilities, Market and Canal Sts., here. $12,000,000.

N. J., New Brunswick—APARTMENT—Livingston Heights Realty Corp., c/o J. A. O'Connell, 392 George St., plans 5 story and basement, brick and steel, plain foundation, on 125 x 240 ft. site, Livingston Ave and Hale St. $300,000. Engineer and architect not selected.

N. J., Orange—APARTMENT—Cimirro Constr. Co., 199 South Munn Ave., Newark, plans 5 story and basement, brick and steel, plain foundation, Central Ave. and Scotland Rd. $200,000. Private plans.

N. J., Ridgewood—CLUB—B. P. O. Elks, 75 North Maple Ave., having plans prepared by F. Parson, 1123 Bway., New York City, 2 story and basement, 100 x 100 ft., brick and timber, plain foundation. $150,000.

Pa., Bryn Mawr—APARTMENT—H. H. Kline, archt., Bulletin Bldg., Phila., soon lets contract 3 story and basement, 103 x 174 ft., brick and steel, plain foundation, here, for Maple Crests Apartments Co., Natl. Bank of Philadelphia, Phila.

Pa., Phila. — APARTMENT — Schultz & Weaver archts., c/o I. Stern, Flanders Bldg., preparing preliminary plans 22 story and basement, 110 x 150 ft., rein.-con., brick and steel, plain foundation, 18th and Rittenhouse Sts. $6,000,000. This corrects report in Sept. 29 issue.

Pa., Phila. — OFFICE — Lincoln Realty Co., 6423 Vine St., having plans prepared 4 or 5 story and basement, 32 x 110 ft., brick and steel, plain foundation, 63rd and Haverford Sts. Private plans.

Md., Baltimore — SERVICE — J. E. Sperry, archt., Calvert Bldg., rejected bids Oct. 18, altering concrete and brick service building, Monument St. and Bway., for Johns Hopkins Hospital, Monument St. and Bway. $150,000. H. F. Doeleman, 516 North Charles St., engr. Noted Oct. 13.

D. C., Wash.—OFFICE—Amer. Institute of Architects, having plans prepared by D. E. Waid, 1 Madison Ave., New York City, office and headquarters, 18th St. and New York Ave., here. $495,000.

W. Va., Charleston—HOTEL—Stock Co., c/o A. S. Thomas, pres., plans 10-12 story, 100 x 150 ft., fireproof, Washington and Capitol Sts. $750,000. Engineer and architect not selected.

N. C., Charlotte—APARTMENT—M. R. Marsh, archt., Latta Arcade, preparing

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Buildings—Commercial (Continued)

plans and takes bids about Dec. 26, 8 or 10 story and roof garden, 60 x 198 ft., rein.-con., concrete pile foundation, South Tryon St., for W. T. Heath, 11 East 3rd St. $500,000. Noted Sept. 2.

Ga., Waycross — HOTEL — Wallin & Comer, archt., Realty Bldg., Savannah, soon lets contract 8 story and basement, 100 x 100 ft., steel and rein.-con., plain foundation, for Community Hotel Corp. $300,000. Noted Oct. 13.

La., Coushatta—COURT HOUSE—Red River Parish Police Jury, takes bids about Nov. 28, 3 story, brick and stone courthouse and jail. $150,000. W. T. Nolan, Canal Bank Bldg., New Orleans, engr. Noted Mar. 24.

La., Lake Charles—BANK—Calcasieu Natl. Bank having plans prepared by Favrot & Livaudis, Hibernia Bank Bldg., New Orleans, 2 story and mezzanine, 70 x 157 ft., rein.-con. and brick, Ryan and Pujo Sts. $250,000.

La., New Orleans—HOSPITAL—Presbyterian Hospital had plans prepared by R. DuBuys, Hibernia Bank Bldg., 5 story, brick, Baronne and Girod Sts. $400,000.

La., New Orleans—OFFICE and STORE —N. J. Carbajal, 1708 Canal St., plans 5 story, 40 x 120 ft., rein.-con., brick and steel, plain foundation, Tulane Ave. and Saratoga St. $400,000.

O., Cleveland—APARTMENT HOTEL—Berkner Realty Co., c/o G. J. Paul of Paul Bros., Fidelity Bldg., having plans prepared by G. Ebeling, 737 Prospect Ave., 12 story and basement, brick, steel and concrete, Euclid Ave. near East 40th St. $1,500,000. Noted Aug. 25.

O., Willoughby—COMMERCIAL, THEATRE and LODGE — Willoughby Masonic Temple Co., c/o L. W. Penfield, pres., having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 3 story and basement, brick, steel and concrete building. $200,000.

Ind., Anderson—THEATRE and OFFICE —Seelbberg & Vesey, Ft. Wayne, having plans prepared by P. Hulsken, Lima, O., 2 and 6 story, 144 x 144 ft., rein.-con. and brick, plain foundation, 13th and Main Sts., here. $350,000.

Ind., Anderson—THEATRE—Fitzpatrick McElroy Co., Indianapolis, having plans prepared by D. Graham, 1126 Hume Mansur Bldg., Indianapolis, 2 story, 72 x 120 ft., rein.-con., brick and steel, Meridian St. near 12th St. here. $300,000.

Ind., Evansville—WAREHOUSE and GARAGE—City, J. C. Males, secy., Town Hall, having preliminary plans prepared 2 story, 80 x 200 ft., rein.-con. and brick, along Ohio River between Division and Pine Sts. $175,000. Engineer and architect not selected.

Mich., Detroit—STORE and OFFICE—Owner, c/o C. W. Brandt, archt., 1016 Francis Palms Bldg., having plans prepared 4 story and basement, 120 x 129 ft., rein.-con., brick and steel, plain foundation, Grand Rover Ave.

Mich., Fordson—COURT HOUSE and POLICE STATION—City having plans prepared by J. Kasurin, 502 Empire Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, Michigan Ave. $250,000.

Mich., Fordson—FIRE ALARM—City having plans prepared by J. Kasurin, 502 Empire Bldg., Detroit, 2 story and basement, 90 x 170 ft., rein.-con., brick and steel, plain foundation. $150,000.

Mich., Jackson—HOSPITAL—I. O. O. F. State Home having plans prepared by J. N. Churchill, 906 Prudden Bldg., Lansing, 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

Mich., Monroe — JAIL and COURT HOUSE—Monroe Co. W. C. Crum, clk., having preliminary plans prepared by R. M. Dunbar, 4 Kilburtz Bldg., 2 story and basement, rein.-con., brick, steel and stone, plain foundation, $200,000.

Mich., Mt. Clemens—COURT HOUSE—Macomb Co., J. H. Miller, chn. building com., Court House, plans 10 story and basement, rein.-con., brick and steel, plain foundation, Gratiot Ave. $750,000. Engineer and architect not selected.

Mich., Muskegon—HOTEL and STORE—Occidental Hotel Co. having plans prepared by Holabird & Roche, 104 South Michigan St., Chicago. Ill., 4 story, rein.-con. and brick addition, plain foundation, Western St. $400,000.

Mich., Owosso—HOTEL—Holden Owosso Co. having plans prepared by B. K. Gibson, 624 South Michigan Ave., Chicago, Ill., 6 or 10 story hotel.

Ill., Chicago — APARTMENT — A. H. Quitsow, archt., 228 North La Salle St., preparing plans and soon takes bids 3 story and basement, brick and stone, Winchester Ave. near Lawrence Ave. $168,000. Owner's name withheld.

Ill., Chicago — APARTMENT—Seventy-Three East Elm Building Corp., c/o McNally & Quinn, archts., 10 South La Salle St., having plans prepared 12 story and basement, rein.-con., brick and stone, 67-75 East Elm St. $1,000,000.

Ill., Chicago—STADIUM, etc. — South Park Comrs., 57th St. and Cottage Grove Ave., having plans prepared by L. White, 57th St. and Cottage Grove Ave., completing Soldiers Field Stadium, incl. two 150 x 1,000 ft. and one 600 ft. halls, also increasing seating capacity by 10,000 at Lake Front Park. $2,000,000. Noted Mar. 10.

Ia., Des Moines—EXCHANGE—Northwestern Bell Telephone Co., R. J. Hapley, dist. mgr., 924 Grand Ave., plans 9 story exchange building, $1,000,000, also extensions, improvements, equipment, etc. $2,800,000. Noted Feb. 2.

Mo., Kansas City—HOTEL—W. R. Jewell, 622 Chambers Bldg., having plans prepared by P. T. Drotts, Reliance Bldg., 12 story and basement, 112 x 160 ft., rein.-con. and brick, Linwood Blvd. and Harrison St. $1,000,000. Noted Sept. 29.

Mo., Kansas City—HOTEL and APARTMENT—F. C. Sharon, 107 West 10th St., having plans prepared by Boillot & Lauck, Orear-Leslie Bldg., 4 story and basement, rein.-con. and brick, 44th St. and Warwick Blvd. To exceed $150,000.

Mo., St. Louis—AQUARIUM—Bd. Zoological Control and Bd. Pub. Serv., 208 City Hall, take bids in 1928, 2 story, 220 x 227 ft., rein.-con., brick and stucco aquarium, incl. 98 concrete tanks with 1.5 in. plate glass fronts, in Forest Park. $400,000. J. E. Wallace, c/o owners, archt.

Mo., St. Louis—HOSPITAL—St. Vincent De Paul Sisters of Charity, 3225 Montgomery St., having preliminary plans prepared 5 story and basement, rein.-con., brick and stone, Kingshighway near Spalding Ave. $1,000,000.

Mo., St. Louis—HOSPITAL—Missouri Baptist Sanitarium, 919 North Taylor Ave., having preliminary plans prepared by L. B. Pendleton, 73 DeMenil Bldg., 4 story and basement, 40 x 130 ft., rein.-con., brick and stone addition, Taylor Ave.

Tex., Corpus Christi — HOTEL — North Beach Co., c/o B. A. Collins, takes bids about Nov. 10, 6 story and basement, rein.-con., tile and stucco, plain foundation, North Beach St. $300,000. Adams & Adams, Builders Exch. Bldg., San Antonio, archts.

Tex., Galveston — HOSPITAL — R. L. White, archt., c/o University of Texas, Austin, soon takes bids new nurses' home, addition to present dining room and kitchen to take in present power plant and laundry, new building for outdoor clinic, and rebuilding negro hospital, here, for John Sealy Hospital, c/o E. Randall, doctor. $500,000.

Tex., Greenville—COURTHOUSE—W. R. Ragsdale, archt., West Lee St., soon takes bids 5 story and basement courthouse, for Hunt Co., c/o N. E. Peak, judge. $400,000. Noted Oct. 20.

Tex., San Angelo — CITY HALL and AUDITORIUM — City having plans prepared by Trost & Trost, Two Republic Bldg.. El Paso, brick, stone and rein.-con. city hall and auditorium. Noted June 23.

Tex., San Antonio—APARTMENT HOTEL—J. P. Morris, c/o Brady Bldg., having preliminary plans prepared by G. Willis, 610 Builders Exch. Bldg., 4 story and part basement, fireproof, Wilson Blvd. and Mary Louise Dr. $300,000.

Wash., Bellingham — HOTEL — Owner, c/o Bellingham Development Co., having plans prepared by R. C. Reamer, 1301 4th St., Seattle, 11 story 125 x 132 ft., brick and terra cotta hotel. $500,000.

Wash., Seattle—STORE—F. McDermott, 2nd and Union Sts., takes bids about Jan. 1, Bon Marche Department Store, 5 story, basement and sub-basement, 530,000 sq.ft. floor space, rein.-con. and stone, 3rd and Pine Sts. $5,000,000. J. Graham, Dexter Hartman Bldg., archt. Noted Sept. 15.

Calif., Burbank — STUDIO — Victory Studio, Inc., c/o Boller Bros., archts., Douglas Bldg., Los Angeles, having plans prepared motion picture studio, Hollywood Way and Victory Blvd. To exceed $150,000.

Calif., Glendale—OFFICE—Professional Building Co., 1052 West 6th St., Los Angeles, having preliminary plans prepared by W. S. Hebbard, 664 I. W. Hellman Bldg., Los Angeles, 8 story and basement, 50 x 100 ft., rein.-con., Wilson St. and Maryland Ave., here. $500,000.

Calif., Los Angeles—APARTMENT—L. L. Jones, archt., 445 Douglas Bldg., preparing plans 5 story and basement, 50 x 176 ft. rein.-con., Ocean View Ave. $150,000. Owners name withheld.

Calif., Los Angeles — APARTMENT — Harrison & Cordingly having preliminary plans prepared by J. M. Conway, Professional Bldg., Beverly Hills, 4 story, 130 x 134 ft., brick and steel, Beverly Blvd. $250,000.

Calif., Los Angeles—APARTMENT—L. L. Jones, archt., 445 Douglas Bldg., preparing preliminary plans 6 story and basement, 93 x 118 ft., rein.-con., Ocean View Ave. $150,000. Owners name withheld.

Calif., Los Angeles — APARTMENT — Fidelity Holding Corp., c/o S. C. Lee, archt., Petroleum Security Bldg., had plans prepared 5 story and basement, 60 x 125 ft., North Nenmore Ave. $300,000.

Calif., Los Angeles—APARTMENT—H. Markowitz, c/o J. M. Haenke, archt., Subway Terminal Bldg., having plans prepared 6 story and basement, 60 x 150 ft., rein.-con., St. Andrews Pl. $300,000.

Calif., Los Angeles—APARTMENT—J. N. Riesenberg, c/o J. M. Haenke, archt., Subway Terminal Bldg., had plans prepared 8 story and basement, 100 x 150 ft., brick and steel, 9th St. $300,000 or more.

Calif., Los Angeles — APARTMENT — Orange County Investment Co., c/o R. M. Bates, Jr., archt., 660 South Vermont Ave., had plans prepared 5 story and basement, 115 x 132 ft., rein.-con., Mariposa Ave. $200,000.

Calif., Los Angeles — CLUB — Bel-Air Beach Club having plans prepared by E. Grey & M. Daniels, associated archts., Administration Bldg., Bel-Air, rein.-con. club, incl. dormitory, garage, swimming pool, etc. at Bel-Air Beach Club tract near Beverly Blvd. To exceed $150,000.

Calif., Los Angeles—LOFT and OFFICE —Foreman & Clark, 5th St. and Bway., takes bids about Nov. 20, 13 story and basement, 90 x 140 ft., brick and rein.-con., 7th and Hill Sts. $800,000. Curlett & Beelman, 1020 Union Bank Bldg., archts. Structural steel contract, awarded to Baker Iron Wks., 912 North Bway. Noted Aug. 11.

Calif., Los Angeles — OFFICE and GARAGE — K. Macdonald, Jr., archt., Spring-Arcade Bldg., soon takes bids 13 story and basement, 70 x 165 ft., rein.-con., South Bway., for C. H. Johnson, Commercial Exch. Bldg. $750,000.

Calif., Los Angeles — THEATRE — City Park Bd., V. M. Griffith, pres., plans outdoor theatre, approximately 10,000 seating capacity. Griffith Park. $200,000.

Calif., Riverside—HOTEL—E. Lloyd & F. Nansen, Los Angeles and associates, having plans prepared by J. M. Haenke, 1120 Subway Terminal Bldg., Los Angeles, Desert Hotel, 1 and part 2 story, rein.-con., incl. 30 cottages, golf course, tennis courts, swimming pool and stables, 29 Palms. $1,000,000.

Calif., Sacramento—LODGE—Fraternal Order of Eagles, Aerie 901, having plans prepared by Coffman, Sahlberg & Stafford, Plaza Bldg., 4 story and basement, brick and concrete, 15th and K Sts. $150,000.

Que., Outremont—APARTMENT — R. Gariepy, archt., 15 St. James St., Montreal, soon takes bids 4 story and basement, 90 x 400 ft., brick and stone, Bernard Ave., here, for Z. and J. Renaud. $500,000.

Bids Desired

Mass. Boston—(Roxbury Sta.)—APARTMENT—See "Contracts Awarded."

Mass., Boston — COMMERCIAL — New England Confectionery Co., 253 Summer St., taking bids, altering and constructing 6 story and basement, rein.-con., brick and steel addition to Building 1, plain foundation, Summer and Melcher Sts. $150,000 or more. H. B. Prescott, 259 Summer St., archt.

Mass., Brighton (Sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Lynn—APARTMENT—See "Contracts Awarded."

R. I., Cranston (mail Providence)—HOSPITAL—State, Pub. Welfare Dept., State House, Providence, taking bids brick and steel hospital, here. $160,000. G. F. Hall, 49 Westminster St., Providence, archt. Noted Aug. 4.

R. I., Lonsdale—TEMPLE—Unity Lodge 34 taking bids by U. G. Upham, Bigelow Blk., Norwood, Mass., 2 story and basement, brick and stone, plain foundation. $150,000. Noted Oct. 6.

N. Y., Long Island City—OFFICE—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—EXCHANGE—Dec. 1, by Voorhees, Gmelin & Walker, archts.,

Constr. News page 231

AMERICA NEEDS MORE GARAGES IN HER CITIES

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Buildings—Commercial (Continued)

101 Park Ave., 7 story and basement, 90 x 260 ft., brick and steel, plain foundation, 175th St. and Grand Concourse, for New York Telephone Co., 15 Dey St. $1,500,000. Noted Apr. 8, 1926.

N. Y., Rockaway—APARTMENT—See "Contracts Awarded."

N. J., Caldwell—APARTMENT—W. J. Fitzsimmons, archt., 626 Central Ave., East Orange, taking new bids (selected list of bidders), general contract, 4 story and basement, 80 x 110 ft., brick and steel, plain foundation, Roseland and Bloomfield Aves., here, for Civic Center Investment Co., c/o I. Sisselman, 24 William St., Newark, $150,000. Noted Oct. 27.

N. J., East Orange—APARTMENT and STORE—"See Contracts Awarded."

N. J., East Orange—APARTMENT—Altshuler & Cohen, 17 Tracy Ave., Newark, taking bids 4 story and basement, 88 x 108 ft., brick and steel, plain foundation, 57 Chestnut St., here. $150,000. E. V. Warren, Essex Bldg., Newark, archt. Noted Oct. 13.

N. J., Hillside (br. Elizabeth)—APARTMENT—See "Contracts Awarded."

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Leonia — APARTMENT — Gerden Realty Co., Broad Ave., taking bids 5 story and basement, brick and steel, plain foundation, Broad Ave. and Christie St. $160,000. Lucht & Anderson, 432 Palisade Ave., Cliffside Park, archts.

N. J., Montclair—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

Pa., Newell — Nov. 5, by Pittsburgh & Lake Erie R.R. Co., A. R. Maymer, asst. vice-pres. and ch. engr., Pittsburgh, 4 story and basement, approximately 80 x 100 ft., concrete, brick and steel Y. M. C. A., here. $180,000. Private plans.

Pa., Phila.—APARTMENT—Nov. 4, by A. W. Hall, archt., 15th and Locust Sts., 21 story and basement, 47 x 117 ft., rein.-con., brick and steel, plain foundation, 13th and Chancellor Sts., for R. J. Seltzer, 15th and Chancellor Sts.

Pa., Pittsburgh—OFFICE and WAREHOUSE—Nov. 14, by Iron City Electric Co., 436 7th St., and Hunting, Davis & Dunnells, archts., Century Bldg., 7 story and basement, approximately 80 x 100 ft., concrete, brick and steel, 6th Ave. $350,000.

O., Cleveland—APARTMENT—Nov. 13, by H. Hradilek (owner and architect), Park Bldg., 3 story and basement, brick, steel and concrete, Edgewater Dr. $300,000. Noted Sept. 22.

O., Hamilton—HOSPITAL—Nov. 18, by E. W. Frechtling, secy. Building Comn. Ft. Hamilton Hospital Assn., Room 3, Frechtling Blk., hospital. $350,000. A. Wood, 2111 Woodward St., Detroit, Mich., F. G. Mueller and W. R. Hair, Hamilton, archts.

O., Marion—THEATRE—Palace Theatre taking bids 1 and 2 story and part basement, brick, steel and concrete, Center and Campbell Sts. $200,000. J. Eberson, 212 East Superior St., Chicago, Ill.

O., Marion — THEATRE—Nov. 10 (extended date), by Young Amusement Co., Palace Theatre, 1 story and basement, 120 x 153 ft., brick, steel and concrete theatre. J. Eberson, 212 East Superior Ave., Chicago, Ill., archt. Noted Aug. 4.

Ind., Crawfordsville — HOSPITAL — Montgomery Co. Hospital taking bids 2 story and basement, 80 x 150 ft., brick, steel and stone hospital. $160,000. Boswell & Beeson, Ben Hur Bldg., archts. Noted July 14.

Mich., Detroit—THEATRE—Nov. 10, by C. W. Brandt, archt., 2111 Woodward Ave., 1 and 2 story, 100 x 123 ft., rein.-con., limestone, brick and steel, plain foundation, Michigan St. $200,000. Owner's name withheld. Noted Oct. 13.

Mich., Kalamazoo — OFFICE — Billingham & Cobb, archts., 402 Pythian Bldg., taking bids and open same about Nov. 8, 2 story and basement, 90 x 100 ft., rein.-con., brick and steel, plain foundation, for Kalamazoo Vegetable Parchment Co., River Rd. $150,000.

Ill., Chicago—APARTMENT, OFFICE and STORE—H. Anderson, 7001 Bennett Ave., taking bids 87 x 125 ft., brick and terra cotta, 82nd St. and Cottage Grove Ave. $150,000. Lautz & Christensen, 806 West 79th St., archts.

Ill., Chicago—APARTMENT, STORE and OFFICE—Ryan, Coolidge & McArdle, 79th St. and Ashland Ave., taking bids 3 story and basement, 107 x 125 ft., brick and terra cotta, 95th St. and South Ashland Ave. $200,000. Lautz & Christensen, 806 West 79th St., archts.

Wis., Wauwatosa—HOSPITAL—Nov. 17, by Bd. Trustees Milwaukee Co. Institutions, W. I. Coffey, mgr., 8 story, basement and sub-basement, 250 x 475 ft., brick, concrete and steel, plain foundation. $1,500,000. Van Ryn, De Gelleke & Armstrong, 114 Wisconsin Ave., Milwaukee, archts. Noted July 21.

Wis., Wauwatosa—INFIRMARY — Nov. 14, by Bd. Trustees Milwaukee Co. Institutions, 3 story and basement, 200 x 235 ft., rein.-con., brick and steel, dispensary, emergency unit with 1 story, 40 x 50 ft. garage, plain foundation. $500,000. Van Ryn, De Gelleke & Armstrong, 114 Wisconsin Ave., Milwaukee, archts. Noted July 21.

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Calif., Los Angeles — APARTMENT — R. M. Bates, archt., 660 South Vermont Ave., taking bids 5 story and basement, 115 x 132 ft., rein.-con., Mariposa Ave., for Orange Co. Investment Co., Pershing Sq. Bldg., $275,000. Noted June 23.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—LOFT and OFFICE—See "Proposed Work."

Calif., Oakland—OFFICE, STORE and GARAGE—See "Contracts Awarded."

Calif., Redondo Beach—THEATRE—See "Contracts Awarded."

Calif., San Francisco — HOTEL — See "Contracts Awarded."

Calif., San Francisco—MERCANTILE—Bliss & Fairweather, archts., Balboa Bldg., taking bids 7 story and basement, rein.-con., Fremont and Howard Sts., for Butler Bros., 495 Bway., New York City, N. Y. $700,000. Noted Sept. 1.

Ont., Ottawa — OFFICE and STORE — J. A. Evart, archt., Jackson Bldg., Bank St., taking bids and opens same about Nov. 15, 10 story and basement, rein.-con., brick and steel, Wellington St., for Wellington Investment Ltd., 128 Wellington St. $600,000. Noted Sept. 15.

Contracts Awarded

Mass., Roxbury (Sta. Boston)—APARTMENT—L. H. Levenson, 43 Wyoming St. will build 3 story and basement, 60 x 120 ft., brick and stone, plain foundation, Wyoming St. by day labor. $150,000. M. E. Levy, 7 Water St., Boston, archt.

Mass., Brighton (Sta. Boston)—APARTMENT—Chiswick Realty Co., Chiswick Rd. and Commonwealth Ave., will build 6 story and basement, 150 x 200 ft., brick and steel, plain foundation, 1786-1792 Commonwealth Ave. $700,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Cambridge (Boston P. O.) — APARTMENT — Harlow Realty Co., 4 Brattle St., will build 4 story and basement, 100 x 110 ft., brick, plain foundation, Bowdoin St., $150,000 or more. Work will be done by separate contracts. Noted Oct. 26.

Mass., Hyannis—STORE and OFFICE—J. H. Johnson, 97 Massachusetts Ave., Boston, 3 story and basement, 70 x 210 ft. brick and stone, plain foundation, Main St., to C. A. Batson Co., 25 Arlington St., Brockton. Archts. est. $160,000. Noted Oct. 20.

Mass., Lynn — APARTMENT — Nason Constr. Co., Orchard St., will build 3 story and basement, brick and stone, plain foundation, Newhall St. $150,000. Work will be done by separate contracts. Private plans.

Mass., Lynn—APARTMENT—T. Palmer, Beach Bluffs, 3 story and basement, 60 x 200 ft., brick and stone, plain foundation, to Palmer Constr. Co., 165 Humphrey St., Marblehead. Archts. est. $150,000.

Conn., Bristol — ARMORY — State of Connecticut, F. E. Merrill, general contract rein.-con., brick and steel armory, Center and Vallet Sts., to W. Martin & Sons, 164 State St., Bridgeport, $119,545. Noted Oct. 6.

Conn., Danbury—THEATRE — Palace Theatre, Inc., Main St., brick and steel, 2,000 seating capacity, Main St., to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $300,000.

Conn., Greenwich — APARTMENT — Lafayette Holding Co., c/o L. J. Laskin, archt., 4 South 4th Ave., Mt. Vernon, N. Y., 6 story, 65 x 80 ft., brick and steel, Putnam St., to J. Hansen, 21 West Putnam St. Archts. est. $150,000.

Conn., Meriden—OFFICE — J. A. Bergeron, 21 Sylvan Ave., 4 story 80 x 100 ft., brick and steel, West Main and Maple Sts., to L. Suzio Constr. Co., State and Brooks Sts. Archt. est. $150,000. Noted Sept. 15.

Conn., Waterbury — BUSINESS — New England 5- 10 and 25 Cent Stores, Inc., c/o G. A. Quick, archt., 170 Kneeland Rd., New Haven, 6 story 60 x 90 ft., brick and steel store and office building, East Main St., to C. Smith & Sons, Inc., 254 Main St., Derby. Archts. est. $175,000. Noted Oct. 13.

N. Y., Long Island City — OFFICE — Realty Constr. Corp., c/o Shampan & Shampan, archts., 188 Montague St., Brooklyn, will build 12 story and basement, 98 x 123 ft., brick and steel, plain foundation, 41st Ave. and Hunter St. $4,000,000. Work will be done by separate contracts. Noted Sept. 15.

N. Y., New York—APARTMENT—Six to Sixteen West 77th Street Corp., 9 East 40th St., will build 15 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, 6 West 77th St. $2,000,000. Work will be done by separate contracts. N. Korn, 9 East 40th St., archt. Noted Sept. 29.

N. Y., New York—APARTMENT—Tonlex Realty Co., Inc., will build 11 story and basement, brick and steel, 93rd St. and Lexington Ave. $500,000. Work will be done by separate contracts. G. A. Bagge & Sons, 157 East 44th St., archts.

N. Y., New York — OFFICE — One Hundred Twelve East 83rd Street Corp., c/o Block & Hesse, archts., 18 East 41st St., general contract 9 story and basement office building, 83rd St. between Park and Lexington Aves., to G. Richard Davis, 10 East 41st St. Archts. est. $500,000.

N. Y., New York—OFFICE—Western Union Co., 195 Bway., general contract 15 story and basement, brick and steel, West Bway., Thomas, Worth and Hudson Sts., to Marc Eidlitz, 41 East 42nd St. Archts. est. $6,500,000.

N. Y., Riverhead—COURTHOUSE—Bd. Supervs. Suffolk Co., general contract and electric wiring 3 story and basement, 115 x 117 ft., stone courthouse, to Wills-Egelhof & Co., 2 West 47th St., New York City, $367,040; also heating, plumbing and ventilating, to P. S. Olsen, 11 Prospect St., Huntington, $29,500. Former bids rejected. Noted Sept. 22.

N. Y., Rockaway—APARTMENT—A. Rossoff, 123 Rockaway Beach Blvd., will build 5 story and basement, 47 x 74 ft., brick and steel, Beach and 125th St. $200,000. Work will be done by separate contracts. M. Courtland, 366 5th Ave., New York City, archt.

N. Y., Syracuse—OFFICE—Syndicate, c/o Shreve & Lamb, archts., 11 East 44th St., New York, 12 story office building, South Salina and West Onondaga Sts., here, to G. Richard Davis, 10 East 40th St., New York City. Archts. est. $1,500,000-$2,500,000.

N. Y., Syracuse—SALES and SERVICE STATION—White Motor Co., c/o H. R. Hadlow, constr. engr., 842 East 79th St., Cleveland, O., 1 story, rein.-con., brick and steel, here, to G. A. Rutherford Co., 2725 Prospect Ave., Cleveland, O. Archts. est. $150,000. Noted July 14.

N. J., Bradley Beach—HOTEL—Hotel La Reine Corp., M. Sparkes, dir., Ocean Ave., 6 story and basement, brick and steel, plain foundation, La Renie Ave., to Hall Carpenter Co., Inc., Asbury Park. Archts. est. $500,000. Noted Oct. 20.

N. J., East Orange — APARTMENT — Success Constr. Co., S. Ottelsberg, pres., 26 Branford Pl., Newark, will build 4 story and basement, 50 x 115 ft., brick and steel, plain foundation, 6 Glenwood Ave. $150,000. Work will be done by separate contracts. Kasoff & Flatt, 114 Market St., Newark, archts.

N. J., East Orange — APARTMENT — Sixty-Seven South Munn Avenue, Inc., W. Lunsky, pres., 437 Central Ave., general contract 10 story and basement, 168 x 170 ft., brick and steel, plain foundation, 67 South Munn Ave., to Corona Constr. Co., Military Park Bldg., Newark. Archts. est. $1,000,000.

N. J., East Orange—APARTMENT and STORE—Tompkins Realty Co., J. Tompkins, pres., 6 Claire Ave., Woodbury, will build 4 story and basement, 95 x 100 ft., brick and steel, plain foundation, 292 Sanford St. $150,000. Work will be done by separate contracts. M. O. Klemmt, 68 Clinton Ave., Newark, archt.

N. J., Hillside (br. Elizabeth)—APARTMENT—Skakman & Levy, c/o M. J. Nadel, archt., 32 Hill St., Newark will build 3 story and basement, 80 x 150 ft., brick and steel, plain foundation, 1522 Maple Ave. $150,000. Work will be done by separate contracts. Noted Oct. 6.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta Ave., will build 4 story and basement, brick and steel, plain foundation, 616 Lyons Ave. $150,000. Work will be done by separate contracts. E. F. Hauser, 11 Clinton St., Newark, archt. Noted Oct. 20.

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Permanent Storage Structures at Low Cost

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508 Commercial Nat'l. Bank Bldg.
SALT LAKE CITY
301 Atlas Block
SEATTLE
913 Arctic Bldg.

Buildings—Commercial (Continued)

N. J., Irvington (br. Newark)—APARTMENT—Stupelman & Rogovin, 108 Goodwin Ave., Newark will build 4 story and basement, 60 x 150 ft., brick and steel, plain foundation, 128-34 40th St., here. $150,000. Work will be done by separate contracts. M. J. Nadel, 32 Hill St., Newark, archt. Noted Oct. 6.

N. J., Irvington (br. Newark)—APARTMENT—H. Zukoneck, 982 Grove St., will build 3 story and basement, 100 x 100 ft., brick and steel, plain foundation, 982 Grove St. $150,000. Work will be done by separate contracts. H. V. Stromback, 1243 Springfield Ave., archt. Noted Oct. 6.

N. J., Montclair—APARTMENT—R. H. Sellers, 77 Grove St., will build 3 story and basement, 100 x 175 ft., brick and steel, plain foundation, 77 Grove St. $325,000. Work will be done by separate contracts. N. Harris, 20 Branford Pl., Newark, archt. Noted Oct. 27.

N. J., Montclair—STORE, LODGE and DANCE HALL—W. Grigsby, 22 Orange Rd., general contract 3 story and basement, 50 x 100 ft., brick and steel, plain foundation, Bloomfield Ave., to Eryeck & Ward, 40 East 49th St., New York City. Archts. est. $150,000. Noted Aug. 25.

N. J., Newark — APARTMENT — F. Francis, Inc., 90 Leslie St., will build 5 story and basement, 100 x 105 ft., brick and steel, plain foundation, 521-27 Elizabeth Ave. $300,000. Work will be done by separate contracts. R. Bottelli, 45 Branford St., archt. Noted Oct. 27.

N. J., Newark—APARTMENT—H. R. Van Duyne, Inc., 514 Kinney Bldg., general contract 5 story and basement, brick and steel, plain foundation, Parkview Terrace and Chancellor Ave., to Deakman-Wells Co., 921 Bergen Ave., Jersey City. Archts. est. $500,000. Noted July 7.

N. J., Union City—APARTMENT—A. De Senta, Palisade Ave., will build 5 story and basement, 50 x 100 ft., brick and steel, plain foundation, Palisade Ave. $150,000. Work will be done by separate contracts. P. O. Simone & Co., Inc., 100 Sip Ave., Jersey City, archts. Noted Oct. 20.

Pa., Phila.—THEATRE—Hodgens & Hill, archts., 150 South 15th St., 1 story and basement, 101 x 139 ft., brick and steel, plain foundation, 2806-11 North 5th St., to P. Harbach Contg. Co., 1261 North 26th St., for Fineman & Siltzer, c/o architects. Archts. est. $200,000. Noted July 28.

Pa., Phila.—WAREHOUSE and OFFICE—Thomas Bros., 1526 Washington Ave., 1 story and basement, 40 x 103 ft., and 40 x 160 ft. rein.-con., brick and steel, Sanson and Johnson Sts., to Max Haupt Co., 901 Walnut St.

Fla., St. Petersburg—STORE—S. H. Kress Co., 114 5th Ave., New York City, 4 story and basement, 80 x 100 ft., terra cotta and steel, Central Ave. and 5th St. N., here, to G. A. Miller Constr. Co., 312½ Twiggs St., Tampa, $225,000. Noted Oct. 6.

Miss., Jackson—HOSPITAL—Mississippi Hospital Removal Impvt. & Loan Sale Comn., R. L. Brown, secy., Jackson, 46 x 151 ft. and 56 x 155 ft. occupational therapy buildings, and 33 x 38 x 51 x 131 ft. L shaped narcotic building, with chimney, all foregoing 1 story, two 97 x 104 ft. educational buildings, and two 27 x 48 x 105 ft. W shaped infirmaries, all 2 story, also 1½ story, 57 x 93 x 159 ft. power house on State Farm, near here, to I. C. Garber, Medical Bldg., $447,800. Noted Oct. 6.

Ohio—WAREHOUSE—New York Central R.R., R. O. Rote, ch. engr., West 3rd St. and St. Clair Ave., 1 story, 35 x 615 ft., brick and steel, 4101 Lakeside St., to Walsh Constr. Co., East 40th St. and Lakeside Ave. Engrs. est. $150,000.

O., Cleveland — HOSPITAL — Rainbow Hospital, c/o M. B. Wilson, supt., 2233 East 55th St., 2 story and basement, brick, steel and concrete, Green Rd., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $600,000. Noted Sept. 29.

O., Cleveland — THEATRE — Midwest Properties Co., c/o S. H. Stecher, pres., Union Bldg., 1 story, brick, steel and concrete, 3,000 seating capacity, St. Clair Ave. and East 106th St., to Julius Miller Co., 10819 Drexel Ave. Archts. est. $750,000.

O., Dover—Y. M. C. A., 3 story and basement, 66 x 150 ft., brick, steel and concrete, to Mentz Lumber Co., Dover. Archts. est. $150,000. Noted Oct. 20.

Mich., Detroit—OFFICE—Smith, Hinchman & Grylls, archts. and engrs., 800 Marquette Bldg., 40 story and basement, rein.-con., brick and steel, Griswold St., to W. E. Wood Co., 1805 Ford Bldg., for Union Trust Co., Griswold St. Archts. est. approximately $8,000,000. Noted Sept. 29.

Mich., Lansing — HOSPITAL — Bowd & Munson, archts., 409 Wilson Bldg., 3 story, rein.-con., brick and steel addition, plain foundation, Michigan Ave., to H. G. Christman Co., Porter Apts., for Edward Sparrow Hospital. Archts. est. $150,000. Noted Sept. 29.

Ill., Chicago — APARTMENT — P. F. Olson, archt., 720 Cass St., masonry and concrete contract 9 story and basement, 36 x 100 ft., rein.-con., brick and stone, 6338 Oglesby Ave., to H. A. Hansen Constr. Co., 608 South Dearborn St., for J. and F. T. Anderson, and N. E. Barquist, 1824 East 79th St. and H. Mozack, 442 Oakwood Blvd. Archts. est. $350,000.

Ill., Chicago — APARTMENT — Bittersweet Building Corp., 732 Bittersweet Pl., concrete and masonry contract 13 story, 62 x 85 ft., brick and concrete, 732 Bittersweet Pl., to A. Lindstrom Co., 77 West Washington St. Archts. est. $250,000. Noted May 12.

Ill., Chicago — APARTMENT — A. J. Eisenberg, 14 West Washington St., masonry contract 3 story, 124 x 124 ft., brick, 4848-58 West Chicago Ave., to H. M. Lipman, 5079 Monroe St.; carpentry contract, to H. Kaplen & Co., 2012 Division St. Archts. est. $200,000.

Ill., Chicago — APARTMENT, HOTEL, STORE, etc.—Beacon-Wilson Corp., W. B. Le Wald, pres., 4557 Beacon St., general contract 8 story and English basement, rein.-con., tapestry, pressed brick and cut stone, on 52 x 151 ft. site, Wilson Ave. and Beacon St., to L. Paragon Constr. Co., 228 North La Salle St. Archts. est. $685,698.

Ill., Chicago — AQUARIUM — Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., general contract octagonal shaped aquarium containing 132 exhibition tanks, etc., in Grant Park, to R. C. Wieboldt Co., 1534 West Van Buren St., for John G. Shedd Equarium Society, c/o M. A. Taylor, 38 South Dearborn St. Archts. est. $3,000,000. Noted Sept. 22.

Ill., Chicago—HOTEL—G. Glube, archt., 360 North Michigan Ave., general contract 7 story, rein.-con. and terra cotta, on 50 x 125 ft. stie, 166 Milwaukee Ave., incl. bowling alley, dining room, etc., to W. G. McNulty & Bros., 58 East Washington St., for Lewis Building Corp., c/o architect. Archts. est. $350,000.

Ill., Chicago — STORE — Owner, c/o Rissman & Hirschfeld, archts., 228 North La Salle St., masonry contract 3 story (ultimately 5 story), 125 x 167 ft., terra cotta, etc., Milwaukee and Kimball Aves., to A. Goldstein, 134 North La Sallie St. Archts. est. $800,000. United Hosiery Co., 237 South Market St., lessee.

Ill., Freeport — HOTEL — C. W. Nicol, archt., 310 South Michigan Ave., Chicago, general contract 7 or 8 story and basement, 60 x 120 ft., rein.-con., brick and stone, Main and Gelana Sts., here, to R. L. Reisinger Co., 466 Oakland Ave., Milwaukee, Wis., for Stephenson Hotel Corp., 743 51st St., Milwaukee, Wis. Archts. est. $500,000.

Ill., Rockford—HOTEL—Hall, Lawrence, Ripple & Ratcliffe, archts., 123 West Madison St., general contract 11 story and basement, 156 x 184 x 187 ft., rein.-con., brick and terra cotta, 4th, State and Market Sts., to Ericcson & Benson, 123 West Madison St., Chicago; masonry and carpentry contract, to Holmquiet & Peterson, Swedish-Amer. Bank Bldg.; elevators, to Reliance Elevator Co., 212 West Austin Ave., Chicago, for Syndicate, c/o architects. Archts. est. $1,000,000. Noted May 5.

Ill., Rock Island — OFFICE — Royal Neighbors of America, Safety Bldg., general contract 3 story and basement, rein.-con., brick and Bedford stone, to Peterson & Caldwell, 646 Builders Exch. Bldg., Minneapolis, Minn. Archts. est. $400,000. Noted June 10, 1926.

Ill., Winnetka—APARTMENT, OFFICE and STORE—E. T. Leonard & Co. (owner and builder) will build 3 story and basement, 100 x 134 ft., brick and stone, Linden Ave. and Tower Rd. Archts. est. $150,000. Noted Oct. 6.

Mo., St. Louis—APARTMENTS—B. Goldberg, 5819 Wabada Ave., will build five 2 story and basement, 34 x 53 ft., and six 34 x 35 ft. rein.-con. and brick, Terry Ave. near Goodfellow St. $160,000. Work will be done by separate contracts. Private plans.

Mo., St. Louis—APARTMENT—V. A. Chinberg, 808 Chestnut St., will build 4 story and basement, 94 x 134 ft., rein.-con. brick, stone and terra cotta, Delmar and Clara Sts. $150 000. Work will be done by separate contracts. Private plans.

Tex., Abilene—EXCHANGE—Southwestern Bell Telephone Co., West Ind. Bldg., Dallas, general contract 2 story and basement, 87 x 100 ft., rein.-con., brick, stone, terra cotta and steel, concrete pile foundation, 4th and Cypress Sts., here, to J. D. Johnson, 308 Van Zandt Bldg., Ft. Worth, $132,261.

Calif., Los Angeles—APARTMENT—H. Lentzner, J. Riesenberg & S. Kleeman, 412 Western Pacific Bldg., will build 6 story, 94 x 126 ft., brick, 9th and Catalina Sts., $275,000. Work will be done by segregated contracts. E. B. Rust, 523 Black Bldg., archt.

Calif., Los Angeles—APARTMENT—C. T. McGrew & Sons, 1345 West Ocean Ave., Long Beach, will build 3-6 story, rein.-con. and brick, Ocean Blvd. $400,000. Private plans.

Calif., Los Angeles—HOSPITAL—Pacific Hospital Assn., 8 story, 135 x 149 ft., steel and rein.-con., Alvarado St. between Temple St. and Bellevue Ave., to W. D. Lee, 704 Textile Center Bldg., $450,000.

Calif., Los Angeles—STORAGE WAREHOUSE—Bekins Fireproof Storage Co., Otis and Mission Sts., San Francisco, 8 story and basement, 100 x 100 ft., rein.-con., Pico Blvd., to Bavin & Burch, 173 East Jefferson St., approximately $200,000. Noted Aug. 4.

Calif., Merced—HOTEL—R. McLeran Co. (owner and contractor), Hearst Bldg., San Francisco, will build 5 story and basement, rein.-con., 17th St. and Courthouse Dr.

Calif., Oakland—OFFICE, STORE and GARAGE—California Builders Co., 1636 Franklin St., will build 4 story and basement, 31st Ave. and East 14th St., by day labor and sub-contracts. $175,000.

Calif., Pasadena—BANK and OFFICE—Bennett & Haskell, archts., Security Bldg., 9 story and basement, 200 x 230 ft., rein.-con. and steel, Colorado St. and Madison Ave., to J. V. McNeil Co., 5860 Avalon Blvd., Los Angeles, for 1st Trust & Savings Bank, and 1st Natl. Bank. Approximately $1,000,000. Noted Oct. 6.

Calif., Redondo Beach — THEATRE — Beach Theatres Inc., or West Coast Theatres, 1619 West Washington St., Los Angeles, will build 2 story, 89 x 185 ft., brick and rein.-con. theatre. $200,000. Work will be done by separate contracts. J. P. Perrine, Lincoln Bldg., Los Angeles, archt.

Calif., San Francisco—HOTEL—D. J. Clancy, 424 Jones St., will build 6 story and basement, rein.-con., Polk St. near Turk St., by day labor and sub-contracts. $150,000. H. C. Baumann, 251 Kearny St., archt.

Buildings—Industrial

Proposed Work

Me., Portland—PLANT—Winslow & Co., Inc., Rorest Ave., plans reconstructing Plant A, 4 story, recently destroyed by fire, Forest Ave. $250,000. Engineer and architect not selected.

Mass., Attleboro—FACTORY—L. G. Balfour Co., c/o L. G. Balfour, treas., County St., plans 2 factory unit additions, North Main St. $40,000 or more. Engineer and architect not selected.

Mass., Haverhill—FACTORY — Owner, c/o. C. V. Badger, archt., 191 Merrimack St., having plans prepared 2 story, 60 x 110 ft., rein.-con. and steel, plain foundation. $65,000.

Mass., North Woburn (mail Woburn)—PATENT LEATHER PLANT—E. H. Merrill, Winchester, plans rebuilding Peterson-Merrill Plant, recently destroyed by fire. $1,000,000. Engineer and architect not selected.

R. I., Pawtucket—MILL—Superior Cabinet Wks., Inc., R. L. Norstern, 93 Newell St., rejected bids 1 story, 170 x 250 ft., brick, plain foundation, Newell St. $40,000 or more. E. G. Bullard & Son, 908 Purchase St., New Bedford, archts. Noted Sept. 22.

Conn., Hartford — POWER PLANT—Hartford Electric Light Co. plans power plant, South Meadows. $200,000.

N. Y., New York—FACTORY—Arneste Paint Co., 548 West 46th St., takes bids about Jan. 10, reconditioning and constructing paint manufacturing plant. $40,000. Cohen & Siegel, 45 West 57th St., archts.

N. J., Camden — WAREHOUSE — Terminal Corp. having plans prepared by Moores & Dunford, Inc., archts. and engrs., 110 East 42nd St., New York City, refrigeration warehouse. $1,500,000.

N. J., Newark—FACTORY—L. A. Myers, Jr., Inc., 139 Ogden Ave., having plans prepared by E. C. Epple, 9 Clinton St., 2 story, 78 x 90 ft., brick and steel, plain foundation, 137-41 Ogden Ave. $40,000.

N. J., Newark — PASTEURIZING PLANT—Sheffield Farms Co., Inc., 524

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Buildings—Industrial (Continued)

West 57th St., New York City, will not construct 4 story and basement, brick and steel, plain foundation, Frelinghuysen Ave. and Empire St., here. $1,500,000. Project abandoned. Noted Dec. 24, 1925.

Pa., Chester — MANUFACTURING — Ballinger Co., archts., 12th and Chestnut Sts., Phila., soon lets contract, 3 story, 59 x 140 ft., rein.-con. and brick, plain foundation, 4th and Engle Sts., for H. H. Ward, 4th and Engle Sts.

N. C., Pine Hall — CLAY PIPE and PRODUCTS PLANT — Pine Hall Brick Co., Pine Hall, F. F. Steele, pres., Winston-Salem, plans plant manufacturing vitr., salt glazed sewer pipe, drain tile, silo tile, and other vitr. clay products, 75,000 sq.ft. floor space. $250,000.

Fla., Jacksonville — SPARK PLUG PLANT—Standard Motor Equipment Corp., C. B. Lozier, pres., Barnett Bank Bldg., purchased 17 acre site and plans (1st unit) patented aircooled spark plug plant, 7,500,000 plugs annually, Kings Rd.

Ky., Louisville — TOBACCO STORAGE WAREHOUSE—Louisville Pub. Warehouse Co., Brook and Main Sts., having plans prepared by D. X. Murphy & Co., Louisville Trust Bldg., 3 story, 300 x 300 ft., steel and brick, 10th and Hill Sts. $50,000.

O., Cincinnati—FACTORY—Rapid Electrotype Co., McMicken and Race Sts., having plans prepared by Zettel & Rapp, 1206 Mercantile Library, 2 story and basement, brick and rein.-con., plain foundation, McMicken St. $75,000.

Mich., Detroit—GARAGE—Backus Fordon & Co., 1st Natl. Bank Bldg., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 8 story, 138 x 160 ft., rein.-con. and brick, plain foundation, Fort St.

Mich Highland Park (br. Detroit)—AUTOMOBILE FACTORY and ENGINEERING LABORATORY—Chrysler Motor Corp., 341 Massachusetts Ave., had plans prepared 4 story, 60 x 400 ft., rein.-con., brick and steel, plain foundation, Massachusetts Ave. Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, engrs.

Ill., East St. Louis—MILK DISTRIBUTING PLANT—N. C. Davis, archt., 4908 Delmar Blvd., St. Louis, Mo., soon lets contract 90 x 90 ft. stable, 40 x 110 ft. wagon shed, and 55 x 100 ft. garage, all 1 story, also 2 story 30 x 100 ft. office and cooler building, all rein.-con. and timber, Ridge and Wimmer Sts., here, for Highland Dairy Farms Co., B. F. Tschannen, secy., 4321 Choteau Ave., St. Louis, Mo. $150,000.

Texas—UNIT STEAM POWER PLANT—San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, making plans additional steam power plant developing 40,000 hp. in conjunction with New Braunfels, unit (Comal Power Co.) or on 50 acre site owned by company at point on Guadalupe River near McQueen. $1,500,000. Private plans.

Tex., Borger (Plemons P.O.)—OIL REFINERY PLANT—Phillips Petroleum Co., Bartlesville, Okla., had plans prepared 10,000 bbl. plant, near here. $350,000 incl. machinery and equipment. Private plans.

Tex., Cross Plains—ICE PLANT—E. J. Roberts, 3600 Hemphill St., Ft. Worth purchased site and plans ice plant, brick, 30 ton capacity, here. $40,000.

Tex., Denton—ICE PLANT—Home Ice Co., c/o H. Kerley, Denton, having preliminary plans prepared brick, concrete and steel, 30 ton p.d. capacity, North Locust St. $45,000. Engineer selected soon.

Tex., Fort Stockton—NITROGLYCERIN PLANT—U. S. Torpedo Co., (parent owners) purchased 40 acre site and plans a plant manufacturing nitroglycerin for shooting oil wells, 2½ mi. west of here. $150,000.

Tex., Palestine — ROUNDHOUSE — International Great Northern R.R. Co., C. S. Kirkpatrick, ch. engr., Union Sta., Houston, having plans prepared roundhouse, 100 ft. turntable, etc., here. $125,000.

Tex., Quanah—POWER PLANT—West Texas Utilities Co., Abilene, had plans prepared (1st unit) 15,000 kw. power plant near here. $250,000. Private plans.

Tex., San Antonio—WAREHOUSE, etc.—Alamo Iron Wks., 130 Santa Clara St., having plans prepared new steel and sheet metal warehouse adjoining shop, here, $200,000; additional shop and warehouse in Brownsville, $150,000; also 1 and 2 story (ultimately 4 story) and basement, 100 x 300 ft. warehouse, 58,000 sq.ft. floor space, in Corpus Christi, $200,000. Private plans. Noted Sept. 22.

Tex., Texas City — POWER PLANT — Texas Gulf Power Co., Galveston, having plans prepared brick power plant adjoining pumping station, here. $300,000. Private plans. Noted Aug. 18.

Okla., Oklahoma City—PLANT—Sheffield Steel Corp., Sheffield Sta., Kansas City, Mo., W. L. Allen, pres., plans plant, here.

Calif., San Diego—LAUNDRY—Original French Laundry, 702 Front St., had plans prepared by F. Allen, Jr., 1st Natl. Bank Bldg., 2 story, 100 x 150 ft., rein.-con., 10th St. and University Ave. $150,000.

Mexico, Tamaulipas, Reynosa — POWER HOUSE — P. Clark, McAllen, Tex., having preliminary plans prepared 1 story, brick and concrete power house, here. $40,000. Private plans.

Bids Desired

Mass., Allston (Sta. Boston)—REPAIR and SERVICE GARAGE and OFFICE—See "Contracts Awarded."

Mass., Arlington — GARAGE and REPAIR SHOP—H. L. Frost Co., 20 Mill St., taking bids 2 story, 60 x 70 ft., rein.-con., brick and steel, plain foundation, Mill St. $40,000. G. E. Robinson, 80 Federal St., Boston, archt.

Mass., Boston (Dorchester Sta.)—SUBPOWER STATION—Nov. 16, by City of Boston, Transit Dept., 1 Beacon St., Ashmont Sub-Power Station, Beale St., here. $50,000. Private plans.

Mass., Boston—GARAGE and REPAIR SHOP—See "Contracts Awarded."

Mass., Cambridge (br. Boston)—SHOP—See "Contracts Awarded."

Mass., Everett (br. Boston) — SHOP — Melanson Bros., Inc., 67 Chelsea St., taking bids 1 story and basement, 75 x 110 ft., rein.-con., brick addition, plain foundation. $40,000. Private plans.

Mass., Waltham (Ind. br. Boston)—REPAIR, SERVICE GARAGE and SHOWROOM—See "Contracts Awarded."

R. I., Providence—MANUFACTURING—See "Contracts Awarded."

N. J., Montclair—POWER HOUSE—See "Contracts Awarded."

Del., Wilmington—PRESS—Every Evening Publishing Co., taking sub-bids 3 story and basement, 60 x 100 ft., brick, plain foundation, Orange and Girard Sts. Dupont Eng. Co., du Pont Bldg., archts.

Mich., Detroit—FLOUR MILL—Nov. 15, by Fraser Co., engrs., 667 East Water St., Milwaukee, Wis., 5 story, 46 x 95 ft., rein.-con., hollow tile, brick and steel addition, plain foundation, Randolph St., for Commercial Milling Co., 203 Randolph St. $70,000.

Tex., San Antonio—REFINERY PLANT—See "Contracts Awarded."

Ont., Ottawa—GARAGE—Bryson Estate taking bids rein.-con. and brick addition, plain foundation, Albert St. $75,000. Richards & Abra, 53 Metcalfe St., archts.

Contracts Awarded

Mass., Allston (Sta. Boston)—REPAIR and SERVICE GARAGE and OFFICE—R. Kredenser, 33 Wellington Hill St., Mattapan, will build 1 story, 75 x 135 ft., and 30 x 40 ft., brick and steel, plain foundation, 114-148 Western Ave., here. $40,000. Work will be done by separate contracts.

Mass., Arlington (br. Boston) — SUBSTATION — Edison Electric Illuminating Co., 39 Boylston St., Boston, 2 story, 40 x 110 ft., brick, plain foundation, Mystic St., to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $40,000. Noted Oct. 20.

Mass., Boston — FISH HANDLING PLANT—Commonwealth Ice & Cold Storage Co., A. L. Barker, 220 Northern Ave., South Boston, altering and constructing 3 story brick and steel top addition to W. T. Reed Co., 210 Devonshire St., archts. est. to exceed $40,000. Noted Oct. 27.

Mass., Boston—PLANT—Eagle Cleansers & Dyers, Inc., 70 Ceylon St., Dorchester, 2 story, 75 x 100 ft., brick, and plain foundation, Ceylon St., to A. Polin, 16 Ellington St., Dorchester.

Mass., Boston—GARAGE and REPAIR SHOP—J. H. Broderick, 101 Tremont St., will build 3 story, 300 car, rein.-con., brick and steel, plain foundation, 176-194 Ipswich St. To exceed $40,000. Work will be done by separate contracts. G. E. Robinson, 80 Federal St., archt.

Mass., Brookfield — MILL — McLaurin-Jones Co., 2 story, 66 x 122 ft. mill, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston.

Mass., Cambridge (br. Boston)—SHOP—Dewey & Almy Chemical Co., Harvey St., will build 1 story, 50 x 120 ft., brick and plain foundation, Harvey St. Work will be done by separate contracts. H. L. Kennedy 80 Boylston St Boston, archt.

Mass., Fitchburg—BAKERY—Continental Baking Co., 65 East Cottage St., Dorchester, altering and constructing 3 story, brick and steel addition, plain foundation, 15 Cottage St., to F. Leroy Fox, Inc., 101 Milk St., Boston. Archts. est. $40,000.

Mass., Malden (br. Boston)—REPAIR, SERVICE and FILLING STATION — Malden Investment Co., c/o R. K. Kuhlback, 112 Pleasant St., 1 story, rein.-con., plain foundation, Exchange and Abbott Sts., to L. Antico, Rock Glen Rd., Medford. Archts. est. $40,000.

Mass., New Bedford—PRODUCE TERMINAL—E. T. Fisher & Co., Union and Water Sts., 2 story and basement, 35 x 45 ft., and 55 x 65 ft., rein.-con. and timber, plain foundation, Union St., to J. W. Bishop Co., 555 Pleasant St. Noted Sept. 8.

Mass., Waltham (Ind. br. Boston)—REPAIR, SERVICE GARAGE and SHOWROOM—E. E. Smart, 809 Main St., will alter and construct 1 story, brick and stone, plain foundation, Main St., by day labor. $40,000. W. H. Haines, 32 Riverview Ave., archt. Noted Oct. 6.

R. I., Providence—MANUFACTURING—Kelman & Kelman, 628 Broad St., will build 2 story, brick, plain foundation, Borden and Globe Sts. $40,000. Private plans.

R. I., Providence — GARAGE and REPAIR SHOP—J. Conn, c/o T. J. H. Pierce, Inc., archts., 30 Allen Ave., 3 story, rein.-con. and steel, plain foundation, Chestnut and Broad Sts., to Mahoney-Tucker, 72 Weybosset St., $73,588. Noted Oct. 27.

R. I., Woonsocket — PLANT — Rhode Island Plush Mills, 1112 River St., 2 story, 45 x 150 ft., rein.-con. and brick addition, plain foundation, to Eastern Constr. Co., 335 North Main St. Archts. est. $60,000.

Conn., Sterling—PLANT—U. S. Finishing Co., 1 story, 100 x 175 ft., silk finishing plant and pump house unit, brick and concrete, here, to Pierce & Gaetz, 42 Weybosset St., Providence, R. I. Archts. est. $100,000.

Conn., Waterbury—BAKERY—Reymond Baking Co., 490 South Main St., 1 and 2 story, 110 x 175 ft., rein.-con., brick and steel baking plant, incl. garage, East Main St., to McCormick Co., South Negley St., Pittsburgh, Pa. Engrs. est. $50,000.

N. Y., Syracuse — LAUNDRY — Atlas Linen Supply Co., 818 Montgomery St., general contract laundry, to W. E. Irish, McCarthy Bldg. Archts. est. $65,000.

N. J., Montclair—POWER HOUSE—Pub. Serv. Production Co., 80 Park Pl., Newark, will build 2 story and basement, brick and steel addition, plain foundation, 58 Valley Rd., here, $50,000. Work will be done by separate contracts. Private plans.

Pa., Phila.—FACTORY—Ballinger & Co., archts., 12th and Chestnut Sts., 2 story and basement, 84 x 207 ft., brick and steel, plain foundation, Tulip and Aramingo Sts., to W. Steele & Son, 15th and Cherry Sts., for Watson Realty Co. (J. W. Watson Co.), 24th and Locust Sts. Noted Oct. 27.

Md., Baltimore—PRESS ROOM and BOLL MILL—Lock Insulator Corp., Charles Ave. and Cromwell St., 1 story, 40 x 60 ft. press room, and 2 story, 34 x 74 ft. boll mill, rein.-con. and brick, to Smith & O'Brien, 532 North Calvert St.

W. Va., Charleston — GARAGE and STORAGE—State Rd. Comn., 3 story, concrete and steel, plain foundation, to Hoover & Doddril, Charleston. Archts. est. $75,000.

N. C., Greenville—POWER and HEATING PLANT—East Carolina Teachers' College, new power house and heating plant, to Poe Piping & Heating Co., Greenville, $63,149.

Miss., Jackson—POWER HOUSE—See "Buildings—Commercial."

Tenn., Chattanooga—GARAGE—C. T. Jones, archt., James Bldg., general contract 4 story and basement, 49 x 51 x 100 x 118 x235 ft. rein.-con. garage, plain foundation, Broad St., to Mark Nelson Co., Chattanooga, for Broad Street Garage Co., Chattanooga. $92,000. Noted Sept. 22.

O., Cleveland — FACTORY, WAREHOUSE and OFFICE — Weppner-Weil Co., 926 Bway., 2 story and basement, 60 x 125 ft., brick and rein.-con., 2670 East 45th St., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $75,000.

O., Cleveland—FACTORY—Angell Nail & Chaplet Co., 2657 East 79th St., 1 story, 90 x 340 ft., brick and steel, 2637 East 79th St., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $125,000. Noted Oct. 20.

O., Cleveland — FACTORY — Kux-Bleisweiss Co., 326 Lakeside Ave., 1 story, 36 x 150 ft., brick and steel addition, to J.

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Buildings—Industrial (Continued)

Marmelstein, 2169 East 73rd St. Archts. est. $40,000. Noted Oct. 27.

O., Columbus — REPAIR GARAGE and SALES ROOM — W. B. Zimmerman Co., 552 East Broad St., 1 story, 80 x 168 ft., steel and concrete, North High St. near Centangy St., to M. I. Moor, 2283 Tremont Rd., approximately $45,000.

O., Galion — FACTORY — Galion Iron Wks. & Mfg. Co., 1 story, 85 x 345 ft., brick and steel, to W. J. Schirmer Co., 1720 Euclid Ave. Archts. est. $150,000. Noted July 28.

O., Youngstown—SERVICE—Natl. Refining Co., Natl. Bldg., Cleveland, service building, incl. warehouse, office, garage, etc., Mahoning St., here, to E. P. Linberger, Youngstown. $100,000.

O., Willard — FACTORY — Railway Ice Co., general contract 1 story, approximately 60 x 100 ft., steel, to Blaw-Knox Co., Blaw-Knox Bldg., Pittsburgh, Pa. Archts. est. $40,000.

Ind., South Bend—FACTORY—M. B. Skinner & Co., 562 West Washington St., Chicago, Ill., general contract 1 story and basement, 150 x 150 ft., brick and steel factory, here, to H. G. Christman & Co., 307 South Notre Dame St. Archts. est. $100,000.

Mich., Detroit—CAR HOUSE and SERVICE—Dept. Street Railways, St. Jean and Shoemaker Aves., 1 story, rein.-con., brick and steel, incl. street car yards, trackage, pits, etc., Grand River St. and Coolidge Highway, to Pine & Munnecke, 510 Murphy Bldg. Engrs. est. $100,000.

Mich., Detroit—PAINT FACTORY—Boydell Bros. White Lead & Color Co., Palmer and Cardoni Ave., 1 and 2 story, 40 x 100 ft., 47 x 100 ft., and 45 x 47 ft. factory buildings, and 30 x 45 ft. power house, etc., rein.-con. and brick, plain foundations, Palmer Blvd., to C. O. Barton, 508 Free Press Bldg. Noted Oct. 13.

Ill., Chicago—FACTORY—Interstate Iron & Steel Co., 104 South Michigan Ave., masonry and carpentry contract 1 story, 110 x 473 ft., brick, 118th St. and Burley Ave., to Fitzsimmons & Connell, 10 South La Salle St. Archts. est. $215,000.

Tex., Dayton — SUB-STATION — Gulf States Utilities Co., c/o E. S. Fitz, Beaumont, general contract brick, stone, steel and concrete electric sub-station, here, to Stone & Webster, 147 Milk St., Boston, Mass. Engrs. est. $150,000.

Tex., San Antonio—REFINERY PLANT—Humble Oil Co., c/o Frost Bldg., will build new brick and steel still, 350 hp. sheet iron boiler house, timber office building, 40 x 50 ft. steel, concrete and sheet iron warehouse, loading racks for fuel oil, etc. on Quintana Rd., 8 mi. outside city limits, by day labor. $300,000. Private plans.

Calif., Emeryville — FACTORY — C. K. Williams & Co., Easton, Pa., (1st unit), roaster building, concrete, Shell Mound Park Dist., to H. J. Christensen, 519 Ray Bldg., Oakland, approximately $100,000. Noted Apr. 7.

Buildings—Educational, Religious

Proposed Work

Mass., Amesbury — CHURCH — Sacred Heart Roman Catholic Church, J. H. Cote, pastor, having revised plans prepared by J. G. Morisette, 373 Essex St., Lawrence, 1 story and basement, brick and stone, plain foundation, Friend St. $150,000. Noted Sept. 29.

Mass., Chicopee—HIGH SCHOOL—City, J. J. Desmond, supt. schools, receiving competitive plans, Junior High School, McKinstry and Chicopee Sts. $250,000. M. W. Maloney, 23 Pearl St., Springfield, consult. archt. Noted Oct. 13.

Mass., Haverhill—CHURCH—St. James Roman Catholic Church, J. J. Graham, pastor, Winter St., had plans prepared by M. Sullivan, 100 Boylston St., Boston, 1 story and basement, brick and stone, plain foundation, Main and Sheridan Sts. $150,000.

Mass., Newton (Ind. br. Boston) — HIGH SCHOOL—City, E. O. Childs, mayor, plans Junior High School, 2 story and basement, brick and stone, Centre St. To exceed $150,000. Engineer and architect not selected.

Mass., Norwood—CHURCH—St. Catherines Parish, F. Doherty, pastor, having plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 1 story and basement, 25 x 40 ft., and 45 x 67 ft., brick and stone, plain foundation, Washington & Nahatan Sts. To exceed $150,000.

Mass., Whitinsville—CHURCH—Trinity Church, H. R. Rogers, pastor, having sketches made by C. H. Coveney, 184 Boylston St., Boston, 1 story and basement, brick and stone, plain foundation. $150,000 funds being raised for same.

R. I., Edgewood (Sta. Providence)—CHURCH—St. Paul's Roman Catholic Parish, M. J. McCabe, pastor, having plans prepared by A. J. Murphy, 25 Fenner St., Providence, 1 story and basement, brick and stone, plain foundation. $150,000.

R. I., Providence—HIGH SCHOOL—City, Pub. Building Dept., having revised plans prepared by T. J. H. Pierce, City Hall, Edith Hopkins, Jr., High School, 3 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation, Charles St. $400,000.

Conn., Bridgeport—CHURCH—St. Mary's Roman Catholic Church, M. E. Wilson, pastor, plans rebuilding 1 story church, Pembroke St., destroyed by fire. $150,000. Engineer and architect not selected.

Conn., Mansfield—DORMITORY, etc.—Mansfield State Training School and Hospital, C. T. LaMoure, supt., receiving competitive plans 2 story and basement dormitory $125,000, and 1 story pavilion $25,000. Engineer and architect not selected.

Conn., New Britain—HIGH SCHOOL—City, c/o J. M. Halloran, chn. com., receiving competitive plans (from local architects), Senior High School addition, incl. gymnasium. $250,000.

N. Y., Roslyn—SCHOOL—School Bd. having plans prepared by W. Tubby, 475 5th Ave. ,New York City, 2 story, brick and steel school. $200,000.

N. Y., Trumansburg — SCHOOL — Bd. Educ., C. W. Bower, pres., having plans prepared by C. C. Ade, engr. and archt., 104 East Ave., Rochester, school. $200,000.

Pa., Irwin — CHURCH — Methodist Episcopal Congregation soon lets contract 1 and 2 story and basement, irregular shaped, stone, Walnut St. $200,000. Home Mission Bd. Architects, Methodist Episcopal Church, 1701 Arch St., Phila., archts. Noted Oct. 6.

Va., Petersburg—CHURCH, etc.—First Baptist Church soon takes bids brick and stone church and sunday school building. $200,000. H. L. Cain, Grace Street Bank & Trust Bldg., Richmond, archt.

Va., Richmond — HIGH SCHOOL — Bd. Educ. had plans prepared by C. M. Robinson, Times Dispatch Bldg., 3 story, rein.-con. and stone high school. $450,000.

Miss., Hattiesburg — CHURCH — First Baptist Church having plans prepared by Architectural Bureau Southern Baptist Convention, Nashville, Tenn., church, 1,500 seating capacity, incl. new pipe organ. $175,000.

Tenn., Erwin—HIGH SCHOOL—Unicoi Co. voted $150,000 bonds, new high school, for Bd. Educ.

Tenn., Nashville—SCHOOLS—Bd. Educ., Hume Fogg School Bldg., H. C. Weber, supt., soon takes bids East Nashville School, C. K. Colley, archt., 4th and 1st Bldg.; Hones Avenue School, G. D. Waller, archt., Independent Life Bldg.; West Nashville School, Amus & Clark, archts., Nashville Trust Bldg.; Tarbox School, H. L. Hibbs, archt., Amer. Trust Bldg.; and Negro High School, McKissock & McKissock, archts., Morris Memorial Bldg. $800,000. Noted Sept. 22.

O., Cleveland — CHURCH — First Hungarian Reformed Church, J. Herczegh, pastor, 2854 East 79th St., having plans prepared by J. S. Kelly, 4216 Prospect Ave., A. A. Hanke, 2906 Euclid Ave., and A. di Nardo, Union Bldg., 1 story, brick, Buckeye Rd. and East Blvd. $275,000.

Ind., Sheridan—SCHOOL—School Comrs., I. Harris, trustee, having preliminary plans prepared 2 story and basement, rein.-con. and brick, high and grade school. $250,000. Engineer and architect not selected.

Mich., Birmingham — CHURCH — Owner c/o Muehlman & Farrar, archts., 2231 Park St., Detroit, having plans prepared 2 story and basement, 90 x 108 ft., rein.-con., brick and steel, plain foundation, incl. auditorium 600 seating capacity, Bates St. $150,000.

Mich., Detroit — CHURCH — First Baptist Church, c/o Muhlman & Farrar, archts., 2231 Park Ave., having plans prepared 2 story and basement, 600 seating capacity, rein.-con., brick and steel, plain foundation, Willis and Bates Sts. $150,000.

Mich., Detroit—RECREATION—Owner, c/o N. C. Sorensen, archt., 2231 Park Ave., having plans prepared 5 story and basement, 100 x 175 ft., rein.-con., brick and steel, plain foundation. $300,000.

Mich., Grosse Pointe (br. Detroit)—SCHOOL—Detroit University School, 548 Parkview Ave. Detroit, having plans prepared by R. O. Derrick, 120 Madison Ave., Detroit, 2 story and part basement, 50 x 200 ft., rein.-con., brick and steel, plain foundation.

Mich., Pontiac—SCHOOL—Bd. Educ., R. Hazleton, bus. supt., plans 2 story and basement, rein.-con., brick and steel, plain foundation, East Side Dist. $200,000 bonds voted for same. Engineer and architect not selected.

Mich., Rochester—SCHOOL—Bd. Educ. having plans prepared by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, 2 story and basement, 18 room, rein.-con., brick and steel, plain foundation, Wilcox and 5th Sts., also Woodward School addition, Sugar St. $150,000.

Ia., Des Moines—CHURCH—J. H. Felt & Co., archts., 300 West 47th St., Kansas City, Mo., take bids about Jan. 15, 2 story and basement, L shaped, rein.-con., brick and stone, plain foundation, here, for Beaver Avenue United Presbyterian Church. $150,000. Noted Sept. 8.

Minn., Minneapolis — SCHOOL — Bd. Educ., 305 City Hall, cancelled bids to have been opened Nov. 4, 2 story and basement, 150 x 260 ft., rein.-con., brick and Bedford stone, East 53rd St. and 29th Ave. S. because of decision to change site. Will readvertise. Noted Oct. 27.

Kan., Independence — CHURCH — First Presbyterian Congregation had plans prepared by J. H. Felt & Co., 300 West 47th St., Kansas City, Mo., and soon takes bids 2 and 3 story and basement, brick and stone church. $150,000. Noted July 21.

Mo., St. Louis—SEMINARY—Preparatory Diocesan Seminary, 4244 Washington Blvd. raising $2,000,000 funds, seminary, negro school and residence for Brothers of Mary, here. Engineer and architect not selected.

Tex., Galveston—NURSES HOME—John Sealy Hospital, c/o E. Randell, chn. building comn., having plans prepared by R. L. White, c/o University of Texas, Austin, 140 room nurses home, enlarging present dining room, kitchen, power plant, laundry, 3 additional stories, etc. $500,000. Noted Sept. 1.

Calif., Hollister—HIGH SCHOOL—Hollister Union High School Dist. having preliminary plans prepared by W. H. Weeks, 369 Pine St., San Francisco, high school. $150,000 or more.

Calif., Los Angeles—EDUCATIONAL—Wilshire Blvd. Presbyterian Church having plans prepared by R. H. Orr, Corp. Bldg., 3 story and basement, rein.-con., Wilshire Blvd. $200,000.

Calif., Menlo Park—COLLEGE—Menlo School having preliminary sketches made by A. H. Hill, c/o State Architect's Office, Forum Bldg., Sacramento, group buildings, incl. main building, classroom, etc. To exceed $500,000.

Calif., Oakland—COLLEGE—College of Holy Names, 2054 Webster St., having preliminary plans prepared by J. J. Donovan, 1916 Bway., group college buildings, Warm Springs Dist. To exceed $500,000.

Ont., Hamilton — COLLEGE—McMaster University Bd. Governors, A. Matthews, chn., Bloor St. W., Toronto, plans new group college buildings, Westdale St., here. $800,000. Engineer and architect not selected.

Bids Desired

Mass., Somerville—SCHOOL—City, L. M. Conwell, mayor taking bids, altering and constructing 2 and 3 story and basement, 75 x 165 ft., and 80 x 175 ft., brick and stone addition, plain foundation, Highland Ave. $1,250,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts. Noted Oct. 27.

R. I., Providence—HIGH SCHOOL—Nov. 14, by Pub. Building Dept., Junior High School, Elmgrove and Taber Ave., Sessions and Emiline Sts. $1,000,000. T. J. H. Pierce, City Hall, archt.

Conn., Bridgeport — CHURCH — First Methodist Episcopal Church, c/o Allen & Collins, archts., 75 Newbury St., Boston, Mass., taking bids 1 and 2 story and basement, brick and stone, plain foundation, here. To exceed $150,000.

N. Y., Cedar Manor (mail Jamaica)—SCHOOL—Nov. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 140, 116th Ave., 166th and 167th Sts., here, for Bd. Educ., 500 Park Ave., New York City. Noted Sept. 8.

N. Y., New York—SCHOOL—Nov. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract addition to P. S. 82, West 176th St. from Macomb Rd. to Harrison Ave., here, for Bd. Educ., 500 Park Ave.

N. J., Ridgewood—SCHOOL—Nov. 17, at office Bd. Educ. Ridgewood Twp., Central Grammer School, West Franklin Ave. and Cottage Pl. Elementary and Junior High School, Washington Pl. and Monroe St. Fanning & Shaw, 49 Ward St., Paterson, archts.

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Buildings—Educational, Religious (Cont.)

Pa., Phila.—DORMITORIES, etc.—Nov. 8, by School Dist., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., Dormitories B and C and Service Building, 1 and 2.5 story and basement, 78 x 177 ft., and 86 x 101 ft., rein.-con. and brick, plain foundation, for Thamos Shall-cross School for Boys, Andalusia Turnpike between Byberry and Knights Rds.

Pa., Reading—GYMNASIUM—Nov. 15, by Bd. Educ., A. H. Lander, supt. buildings, 8th and Washington Sts., 2 story, 117 x 242 ft., rein.-con. and brick, 13th and Olney Sts. Ritcher & Eiler, 147 North 5th St., archts.

Pa., Scottdale — AUDITORIUM and GYMNASIUM—Nov. 14, by Bd. Educ., and W. G. Eckles & Co., archts., New Castle, 1 and 2 story and basement, irregular shaped, brick and steel auditorium and gymnasium. $150,000. Noted Sept. 29.

Md., Baltimore—GYMNASIUM—Nov. 8, by Taylor & Fisher, archts., Union Trust Bldg., 2 story and basement, 74 x 187 ft., brick and steel, concrete foundation, Roland and Belvedere Aves., for Gilman School for Boys, Roland and Belvedere Aves. H. Massart, 328 North Charles St., engr.

O., Cleveland—ACADEMY—H. A. Walsh & H. E. Shimmin, associated archts., Bulkley Bldg., taking bids and open same about Nov. 15, 4 story and basement, 161 x 191 ft., brick, steel and concrete, Riverside Dr., for St. Joseph Academy, Riverside Dr. $450,000. Noted Sept. 22.

O., Cleveland—HIGH SCHOOL—Nov. 21, by Bd. Educ., F. G. Hogen, dir., 3 and 4 story, 200 x 238 ft., brick, steel and concrete, East 107th St. and Carnegie Ave. $1,750,000. G. M. Hopkinson, Auditorium Garage Bldg., archt. Noted Feb. 3.

Ind., Greencastle—CHURCH—Methodist Church taking bids 1 story and basement, 95 x 120 ft., steel and stone, Locust and Spring Sts. $300,000. A. Grindle, Western Union Bldg., Bloomington, archt. Noted Apr. 7.

Ind., Indianapolis — HIGH SCHOOL — Nov. 11, by School Comrs., Old Library Bldg., Arsenal Technical High School, two 3 story, 60 x 100 ft. wings, rein.-con. and brick, 1500 East Michigan St. $250,000. Snider & Rotz, 703 Merchants Bank Bldg., engrs. Vonnegut-Bonn-Mueller, 610 Indiana Trust Bldg., archts. Noted Sept. 22.

Ind., LaFayette—HIGH SCHOOL—Nov. 5, by School Comrs., for Jefferson High School, 2 story and basement, 165 x 185 ft., rein.-con., brick and stone, 9th and Cincinnati Sts. $250,000. W. Scholer, 301 Painters Bldg., archt.

Mich., Berrien Springs—SCHOOL—Nov. 15, by B. Burgoyne, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Van Leyen, Schilling & Keough, 2440 Cass Ave., Detroit, archts.

Mich., Dearborn—SCHOOL—Nov. 10, by E. E. Walborn, secy. Bd. Educ., and G. D. Mason & Co., archts., Griswold St., Detroit, 2 story and basement, 60 x 169 ft., rein.-con., brick and steel, plain foundation, $150,000.

Mich., Grosse Pointe (br. Detroit) — SCHOOL — Nov. 21, by Bd. Educ., and G. J. Haas, archt., 804 Wormer & Moore Bldg., Detroit, 3 story, 12 room, rein.-con., brick and steel, plain foundation, incl. conservatory, Kercheval St. $150,000. Noted Oct. 20.

Mich., New Troy—SCHOOL—Nov. 9, by Bd. Educ., A. English, secy., 3 story, 105 x 123 ft., rein.-con., brick and steel, plain foundation. Van Leyen, Schilling & Keough, 3440 Case Ave., Detroit, archts.

Ill., Chicago—HIGH SCHOOL—Nov. 17, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., Edwin G. Foreman Junior High School, North Le Claire and Belmont Aves. $1,500,000. J. C. Christensen, 650 South Clark St., archt.

Tex., Canyon—COLLEGE—Nov. 28, by Bd. Regents West Texas State Teachers College, Lockhart, 3 story, rein.-con. and brick, plain foundation. E. F. Rittenberry, 301 Blackburn Bldg., Amarillo, archt. Noted Sept. 29.

Contracts Awarded

Mass., Gardner — CHURCH — Finnish Evangelical Church, c/o Haynes & Mason, archts., 280 Main St., Fitchburg, 2 story and basement, brick and stone, plain foundation, West St., to C. Hamalainer, 266 Pleasant St. Archts. est. $150,000.

Mass., Newton (Ind. br. Boston) — SCHOOL — City, E. O. Childs, mayor, City Hall, superstructure 2 story and basement school, Pine Grove Rd. and Grove St., Newton Lower Falls, to J. MacDonald Constr. Co., 250 Stuart St., Boston, approximately $95,000; heating, to Stone-Underhill Heating & Ventilating Co., 171 Harrison Ave., Boston. Archts. est. $25,000. Noted Oct. 20.

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Mass., Springfield — CHURCH — Trinity Grace Methodist Episcopal Church, c/o Allen & Collins, archts., 75 Newbury St., Boston, 1 story and basement, brick and stone, plain foundation, Church and Tower Sts., to E. F. Miner Building Co., 25 Foster St., Worcester. Archts. est. $150,000. Noted Sept. 22.

Mass., Weymouth (Ind. br. Boston)—HIGH SCHOOL—Bd. Educ., 2 story and basement, 85 x 165 ft., brick and stone, addition to Junior High School, plain foundation, Middle St., to J. Miles & Son, 393 Main St., Worcester. Archts. est. $300,000.

Vt., Rutland — HIGH SCHOOL — City, School Com., A. W. Perkins, mayor, general contract 3 story, 125 x 215 ft., brick, steel and artificial stone, Church St., to James Miles & Son, 343 Main St., Worcester, $282,587. Noted Oct. 27.

N. Y., Brooklyn—COLLEGE—Brooklyn Law School of St. Lawrence University, 305 Washington St., 8 story, 100 x 125 ft. college, 373 Pearl St., to T. O'Reilly, 415 Lexington Ave., New York City. Archts. est. $1,000,000. Noted Sept. 29.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 222, Quentin Rd. between East 33rd and 34th Sts., here, to G. F. Driscoll, 548 Union St., $546,680. Noted Oct. 6.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 91, Aqueduct Ave., Bronx Boro, to Kenny Bros., 33 Old Bway., $491,000. Noted Oct. 13.

N. Y., Port Washington—SCHOOLS—Bd. Educ., Senior High School, 3 story and basement, 1,000,000 cu.ft. floor space, Port Washington Ave., and 2 story and basement, 140 x 140 ft. school, Middleneck Rd. and Ave. C, to Staten Island Constr. Co., 56 Bay St., St. George, $496,000; plumbing, to J. E. Curley, Sea Cliff, $33,608; heating, to F. P. Farrell, 269 Camden St., Newark, N. J., $88,379; and electrical work, to West & Berzin, 507 5th Ave., New York City, $30,947. Grand total $648,934.

N. J., Millburn — SCHOOL — Bd. Educ., Town Hall, general contract Wyoming School, 2 story and basement, brick and steel, plain foundation, to E. M. Waldron & Co., 456 North 6th St., Newark, $171,320; heating and ventilating, to R. G. Maupai, 73 South St., Jersey City, $30,775. Noted Sept. 8.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Bd. Educ., W. G. Nesbit, dir., 1781 Lee Rd., 2 story and basement, 76 x 240 ft., brick, steel and concrete, Oxford Rd., to M. B. Parker Constr. Co., 1836 Euclid Ave., Cleveland, $198,477. Noted Oct. 6.

Ind., Indianapolis—NURSES HOME—Methodist Hospital, 1604 North Capitol Ave., A. Smith, supt., general contract 7 story and basement, rein.-con., brick and steel, 18th St. and Capitol Ave., to L. Colvin, 823 Continental Bank Bldg. Archts. est. $500,000. Noted Oct. 6.

Mich., Detroit—CHURCH—St. Rose of Lima Church, 1643 Defer Rd., 2 story and basement, rein.-con., brick and steel, plain foundation, Defer Rd., to Cooper-Little Co., 5057 Woodward Ave. Archts. est. $150,000. Noted Feb. 24.

Neb., Nebraska City—HIGH SCHOOL—Bd. Educ., F. Heller, secy., Junior High School, 3 story and basement, 108 x 126 ft., rein.-con., brick and stone, here, to G. Robertson, 812 1st Natl. Bank Bldg., Lincoln, $113,998. Noted Oct. 13.

Ore., Portland—SCHOOL—School Dist. 1, general contract 2 story and basement, 80 x 180 ft., rein.-con., brick and terra cotta, East 17th and Shaver Sts., to A. C. Teller & Son, Portland, $189,940.

Calif., Oakland — SCHOOL — Bd. Educ., general contract brick veneer and rein.-con. annex, East 17th St., to Sullivan & Sullivan, 3021 Maxwell Ave., $102,000. Noted Oct. 6.

Federal Government Work

Proposed Work

R. I., Newport—Repairing Chimney—Spec. 5512—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairing chimney at Naval Training Station, here.

Pa., Pittsburgh—Maneuver Boats—U. S. Engineers Office plans 2 steel maneuver boats.

T. H., Pearl Harbor—Quarters, etc.—Spec. 5338—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans quarters, laboratory and animal house, at Naval Operating Base (Hospital), here. L. E. Gregory, ch. of Bureau.

Bids Desired

N. Y., St. George—Buoy Boats—Nos. 7, by Supt. Lighthouses, four 38 ft. buoy boats complete with 4 cylinder gasoline engines.

D. C., Anacostia (br. Wash.) — Radio Towers—Spec. 5508—Nov. 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., radio towers at Naval Air Station, here. Noted Oct. 20.

D. C., Wash.—Retaining Walls, etc.—Nov. 22, by U. S. Veterans Bureau, Arlington Bldg., retaining walls, roads, walks, fences, etc., at U. S. Veterans Hospital, Mount Alto, here.

D. C., Wash.—Memorial—Dec. 1, at office Pub. Buildings & Pub. Parks, Navy Bldg., 60 x 120 ft., steel and white marble concrete memorial, 60 ft. high, concrete pile foundation, 17th St. near E St.; adv. E. N.-R. Nov. 3. Noted May 19.

Ala., Birmingham — Remodeling — Nov. 25, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling 1st and 2nd floors U. S. Post Office and Court House, here. J. A. Wetmore, acting supervising archt.

Tenn., Johnson—Remodeling—Nov. 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Ore., Astoria—Grading—Spec. 5506—Apr. 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., grading at Naval Radio Station, here. Former bids rejected.

California—Road—Mar. 13, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading Big Oak Flat Rd., Route 3, Yosemite Natl. Park, Mariposa Co.

Bids Received

N. H., Portsmouth — Elevator — Treas. Dept., at office Supervising Archt., Wash., D. C., 1 passenger elevator in U. S. Post Office and Custom House, here, from Haughton Elevator & Machine Co., 200 Vermont Bldg., Wash., D. C., $4,811. Noted Oct. 6.

N. H., Portsmouth—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 26, remodeling U. S. Post Office, here, from A. J. Ross, 120 High St., Boston, Mass., $12,975. Noted Oct. 13.

New York—Dredging—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York City, Oct. 31, dredging 37,100 cu.yd. place measurement, more or less, in Browns Creek, here, from Heling Constr. Co., Lyndhurst, at $0.31 per cu.yd., total $11,501. Noted Oct. 20.

N. Y., Iona Island—Wharf—Spec. 5507—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 26, repairing wharf at Naval Ammunition Depot, here, from W. Parrott's Sons, Newburg, $6,150. Noted Oct. 20.

Pennsylvania—Dredging—U. S. Engineer Office, Phila., dredging in Delaware River on Marcus Hook and Bellevue Ranges, from Amer. Dredging Co., 308 Chestnut St., Phila., at $0.60 and $0.43 per cu.yd. Noted Sept. 29.

Md., Annapolis—Dredging—Spec. 5513—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 26, dredging by means bucket dredge, at Naval Academy, here, from Arundel Corp. Pier 2, Pratt St., Baltimore, at $0.79 per cu.yd. Noted Oct. 20.

Mo., St. Louis—Mezzanine—Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 20, new mezzanine floors in U. S. Post Office, here, from E. G. Lay, Inc., St. Louis, $4,898.

Tex., Fort Sam Houston (sta. San Antonio) — Barracks—Constructing Quartermaster, 1 infantry battalion barracks and 1 regimental headquarters, here, from Walsh & Burney, 928 North Flores St., San Antonio, $322,336 and $228,383 respectively. Noted Sept. 29.

Calif., Oakland—Dredging—U. S. Engineer Office, San Francisco, Oct. 20, dredging approximately 400,000 cu.yd. in Oakland Harbor, here, from Amer. Dredging Co., 255 California St., San Francisco, at $0.195 per cu.yd. Noted Oct. 6.

Contracts Awarded

La., New Orleans—Levee Work—U. S. Engineer Office, levee work in LaFourche, Parataria and Atchafalaya (back) Levee Dists., Item 1, to Grasser Contg. Co., Canal Commercial Bldg., $45,360; Item 2, to D. B. Hearin & Son, Baton Rouge, $64,760; Item 3, to Acme Constr. Co., Inc., Pointe a la Hache, $8,928; and Item 4, to Whiteman Constr. Co., Inc., Louisiana Bldg., $4,515. Grand total $123,563.

Federal Government Work (Continued)

Md., Camp Mead—Barracks—Constructing Quartermaster, 3 barracks buildings, here, to Palmer Spivey Co., Elizabeth Ave., Charlotte, N. C., $370,950. Noted Sept. 29.

Mich., Mt. Clemons—Sewerage System—Constructing Quartermaster, sanitary sewerage system, Selfridge Field, here, to Vanpanel & Gepeire, Mt. Clemens, $8,456. Noted Oct. 13.

T. H., Pearl Harbor—Chimneys—Spec. 5412—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete chimneys at (a) Navy Yard and (b) Submarine Base, here, to Weber Chimney Co., McCormich Bldg., Chicago, Ill., $15,365 (a) 120 days, (b) 180 days. Noted Oct. 20.

Unclassified

Proposed Work

Airport — Gardner, Mass. — Chamber of Commerce making sketches airport, John Brock Farm. $25,000-$30,000. Keniston, Inc., Concord, N. H., engrs. Noted Sept. 22.

Park and Playgrounds—Medford, Mass.—Bd. Aldermen & City Park Comn. plans laying out and constructing four park areas and playgrounds along Mystic River Banks between Wellington and Lower Mystic Lake, for City and Metropolitan Dist. Comn., 24 School St., Boston. To exceed $25,000. Private plans.

Dry Dock—Brooklyn, N. Y.—Todd Shipyards Corp., 25 Bway., New York City, making plans 750 ft. graving dry dock, at Robbins Dry Dock & Repair Co. plant, Erie Basin, here. F. R. Harris, 551 5th Ave., New York City, engr.

Telephone Extension, etc.—Des Moines, Ia.—See "Buildings—Commercial."

Subway—Little Rock, Ark.—See "Streets and Roads."

Pipe Line—Texas—Illinois Pipe Line Co., c/o W. A. Miller, San Angelo, making plans 275 mi. 10 in. pipe line from tank farm near Del Rio to the Gulf, probably Corpus Christi or Port Arthur. $5,000,000. Private plans.

Pipe Line—Texas—Magnolia Petroleum Co. making plans 225 mi. probably 10 in. pipe line from Gorman to Midland. $3,500,000. Private plans.

Oil Pipe Line—Texas—Humble Oil Co., c/o Frost Bldg., San Antonio, making plans 21 mi. 8 in. oil pipe line from Lytle to connect with refinery on Quintana Rd., 8 mi. southwest of San Antonio. $45,000. Work will probably be done by day labor.

Pumping Station, etc.—Saint Jo. Tex.—Saint Jo Oil & Gas Co., Saint Jo, plans pumping station with equipment and steel storage tanks. $100,000.

Sub-Division Development—San Angelo, Tex.—French & French made plans subdivision development, incl. water distributing system $25,000, street paving $40,000, also lighting system $15,000. Interested contractors communicate with owners direct. N. A. James, Trust Bldg., engr.

Land Development—San Francisco, Calif.—J. V. Campbell, 1072 Bryant St., plans (1st unit) sub-division work, incl. streets and sewers, on area bounded by Woodside Ave., Waithman Way, Portola Dr. and Laguna Honda Blvd. $60,000. Total $2,000,000.

Wharf and Cargo Building—Richmond, Calif.—City having plans prepared 800 ft. wharf, and 150 x 800 ft. rein.-con. cargo building. $450,000. H. J. Brunnier, Sharon

Aerodrome and Seaplane Station—Ottawa, Ont.—Dept. Natl. Defence, Slater St., plans central Canadian combined aerodrome and seaplane station for experimental work in flying from land, water and in winter, for Dominion Govt. $500,000-$800,000. J. S. Scott, c/o owner, group captain.

Grain Elevator, etc. — Sarnia, Ont. — Sarnia Brewing Co., 335 Front St., C. Kocot, mgr., having plans prepared 150,000 bu. grain elevator, rein.-con., and 52 x 260 x 300 ft. brick warehouse, Waterfront. $1,000,000.

Bids Desired

Athletic Field — Andover, Mass. — See "Contracts Awarded."

Fire Alarm System—Brooklyn, N. Y.—Nov. 11, by J. J. Dorman, comr. Fire Dept., Municipal Bldg., New York City, portion underground fire alarm system, Greenpoint, Williamsburg, Eastern Dist., Bushwick, and Ridgewood Sections, here.

Mechanical Equipment — Cedar Manor (mail Jamaica), N. Y.—Nov. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment in P. S. 140, 116th Ave. from 166th to 167th Sts., here, for Bd. Educ., 500 Park Ave., New York City.

Mechanical Equipment—New York, N. Y.—Nov. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, incl. plumbing, heating, ventilating, electrical work, etc., in P. S. 82, West 176th St., Harrison Ave. and Macomb Rd., here, for Bd. Educ., 500 Park Ave.

Stone Wall—Manhattan, Kan.—Nov. 7, by Weigel & Winchers, archts., 806 Leavenworth St., constructing native stone wall, for Kansas State Agricultural College. $30,000.

Rip Rap Rock—Coronado, Calif.—W. T. Clark, city clk., taking bids furnishing and placing 5,000 tons rip-rap rock on Coronado Sea Wall, adjacent to Ocean Blvd.

Lighting System — Fullerton, Calif. — City Trustees taking bids ornamental lighting system on portions Luanne Rd. and Frances Ave., etc. To exceed $25,000. C. M. Thorpe, city engr.

Breakwater Wharf—Etang du Nord, Que.—Nov. 23, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing breakwater wharf, here. $35,000.

Wharf Renewal—Bella Bella, B. C.—Nov. 22, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., wharf renewal, here.

Contracts Awarded

Athletic Field—Andover, Mass.—Bd. Pub. Wks., Town Hall, will grade, etc. athletic field known as Punchard High Field, by day labor. $25,000. Morse & Dickinson, Boston, and Haverhill, engrs.

Shelter House—Cambridge (br. Boston), **Mass.**—City, J. F. Terry, City Hall, concrete shelter house, Rindge Field, to J. J. Powers Co., 33 Myrtle St., $65,000. Noted Sept. 14.

Heating and Ventilating — Weymouth, Mass.—Bd. Educ., heating and ventilating in Junior High School, Middle St., to Stone-Underhill Heating & Ventilating Co., 171 Harrison Ave., Boston. Archts. est. $25,000 or more.

Airport—Bridgeport, Conn. — Bridgeport Airport, Inc., R. DeLacour, pres., constructing field with 3,000 ft. runway, northeast and southwest, 2,500 ft. runway northwest and southwest, hangars, stations, beacons, etc., filling, draining, dyking and bulkheading field also dredging 2,000 ft. channel, 300 ft. wide for hydroplanes, to W. E. Arthur & Co., 292 Madison Ave., New York City, N. Y., $300,000. Noted Oct. 13.

Station Fnlish—New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, station finish work on Montrose Ave., Wilson Ave., Bushwick Ave. and Aberdeen St. Stations, 14th St.-Eastern Rapid Transit R.R., Brooklyn and Queens Boros, to Ascher Eng. & Contg. Co., 1457 Bway., New York City, $240,510. Noted Oct. 13.

Borings—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, borings along Route 107, Livingston St., Lafayette, Marcy and Union Aves., McCarron Park, Route 109, Smith and 9th Sts., Fort Hamilton Parkway, Gravesend Ave., etc., also Route 110, Fulton St., to C. E. Bunce, 1 Exchange Pl., Jersey City, N. J., $14,475. Noted Oct. 6.

Park Improvements—Brooklyn, N. Y.—Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, New York City, improving Joseph A. Guider Park, Eastern Parkway, Washington and Classon Aves., here, to Foley & Pizzo, 649 Lormier St., $26,341. Noted Oct. 6.

Road Improvements—New York, N. Y.—Park Bd., W. H. Herrick, pres. Dept. Parks, Arsenal Bldg., Central Park, removing loose and facing rock cuts rein.-con. wall in Central Park, to Valatia Constr. Co., 15 East 40th St., $11,000. Noted Oct. 13.

Subsidiary Pipes—New York, N. Y.—A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., subsidiary pipes between manholes Empire City Subway Co. and traffic post locations along Lexington and West End Aves., to C. W. Mitchell, 39 East 28th St., $10,480; and between Empire City Subway and traffic post locations along Bway., 7th, Madison, Amsterdam and Park Aves., to W. F. Kenny Co., 44 East 23rd St., $6,938. Noted Oct. 20.

Stairs — New York, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing stairs and platforms at track pits in main repair shop, stairway and landings, to Nelson & Landgren Co., 1632 61st St., Brooklyn, $10,457. Noted Sept. 29.

Pile Clusters — Virginia — State Hy. Comn., Richmond, 47,375 ft. southern yellow pine or cypress pile clusters for ice protection, Rappahannock River Bridge at Rappahannock, Route 13, Project S-409-B, Essex Co., to McLean Constr. Co., Fidelity Bldg., Baltimore, Md., $32,185. Noted Oct. 13.

Foundation—Mobile, Ala.—State Docks Comn., State Office Bldg., foundation for coal and hull commodity handling plant, to Doullut & Ewin, Q. & C. Bldg., New Orleans, La., $230,667. Noted Sept. 29 under "Wharf-Alabama."

Runway — Cleveland, O. — Cleveland-Union Terminal Co., Marshall Bldg., 2,000 tons steel for 3 story, 100 x 380 ft., steel runway around Union Station, Prospect Ave., to Mt. Vernon Bridge Co., Mt. Vernon. Archts. total est. $750,000.

Coke Ovens and Coal Handling Plant.—Chicago, Ill.—Youngstown Sheet & Tube Co., Youngstown, O., general contract 71 by-products coke ovens and coal handling plant, here, to H. Koppers Co., Union Trust Bldg., Pittsburgh, Pa. Engrs. est. $3,000,000.

Operators Houses, etc.—Chicago, Ill.—City, Room 406, City Hall, operators houses and enclosure walls for double leaf trunnion bascule bridge over Chicago River, on North La Salle St., to Kelly-Atkinson Co., 189 West Madison St., $229,555. Noted Aug. 4.

Subway and Approaches—Chicago, Ill.—Bd. South Park Comrs., 57th St. and Cottage Grove Ave., M. T. Connolly, secy., inner drive subway at Oakwood Blvd. and east approach to Oakwood Blvd. viaduct, incl. pipe foundation, rein.-con. footings abutments, retaining walls, sidewalks, balustrades, etc., to E. J. Albrecht, 35 South Dearborn St., $550,000. Noted Aug. 18.

Culverts—Dodge City, Kan.—See "Streets and Roads."

Subway—Pittsburg, Calif.—J. H. Wells, clk. Contra Costa Co., Martinez, subway under Southern Pacific R.R. tracks, here, to C. C. Gildersleeve, Felton, $26,205. Noted Oct. 6 under "Martinez."

Materials

Proposed Work

Water Mains—Santa Barbara, Calif.—C. E. Hasse, city purchasing agt., plans purchasing 6,000 lin.ft. 6 in. and 2,000 lin.ft. 12 in. water mains.

Bids Desired

Inorganic Dust—New York, N. Y.—Nov. 10, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 1,500 tons inorganic dust.

Structural Steel and Lumber—Cincinnati, O.—Nov. 10, by Comrs. Hamilton Co., Court House, 246,500 lb. structural steel $10,846, also 6,760 lin.ft. white oak piling, 212,000 ft. structural fir timbers, 89,124 ft. No. 1 common pine and 3,667 ft. No. 2 common pine $17,642, for temporary viaduct over Cleveland, Cincinnati, Chicago & St. Louis Railroad tracks and Mill Creek, on 6th St. Noted Oct. 20.

Bids Received

Pumps, etc.—Albany, N. Y.—Bd. Contr. & Supply, City Hall, Oct. 24, from Worthington Pump & Machine Corp., 115 Bway., New York City, two 10 m.g. motor driven pump $3,200 each, and one 15 m.g. motor driven pump $17,200; from United States Cast Iron Pipe & Fdry., Burlington, N. J., 54 tons special castings at $100 per ton, and 37 tons flanged castings $140 per ton; from B. Nicoll & Co., 294 Madison Ave., New York City, 8,000 ft. 36 in. cl.i pipe $36.75, 60 ft. 48 in. pipe $36.75, and 54 tons special castings $100 per ton; from Chapman Valve Mfg. Co., Indians Orchard, Mass., two 30 hydraulic gate valves $1,053 each, four 16 in. hydraulic gate valves $311, one 30 in. check valve $790, two 16 in. check valves $159 each, and one manually operated gate valve $211.

Contracts Awarded

Street Lighting Equipment — Hartford, Conn. — City, Bd. Contr. & Supply, City Hall, 15 c.i. ornamental single street lamps standards, 20 extra c.i. capital standards, double lamp and 75 c.i. ornamental double street lamp standards, to Portland Fdry., Freestone St., Portland, Conn., $4,121. Engrs. est. $5,000.

Cement — Los Angeles, Calif. — Los Angeles Co., to Monolitic Portland Cement Co., 215 West 7th St., 2,000 bbl. portland cement f.o.b. cars San Marino at $2.58 per bbl., 20,000 bbl. f.o.b. cars Sierra Madre $2.64, and 8,000 bbl. f.o.b. cars Glendale $2.60, all foregoing in sacks, total $78,760. Noted Aug. 25.

See proposal advertising on page 152

Constr. News page 237

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in October, 1927

		Issue of
Bridge	Montana	Oct. 6
Bridge	Huntington, Mass	Oct. 13
Bridge	Chicago, Ill	Oct. 20
Bridge	Akron, Ohio	Oct. 27
Gas Pipe	Long Beach, Calif.	Oct. 20
Grading	Texas	Oct. 27
Installation of Tracks	New York, N. Y.	Oct. 13
Irrigation	Lovelock, Nev.	Oct. 13
Paving	Wyandotte, Mich.	Oct. 20
Pile Trestle	Texas	Oct. 27
Pipe	Azusa, Calif.	Oct. 6
Pipe Line	Massachusetts	Oct. 20
Retaining Wall	Detroit, Mich	Oct. 27
Road	Wyoming	Oct. 6
Road	Wyoming	Oct. 20
Road	Michigan	Oct. 20
Road	Kentucky	Oct. 20
Road	Wyoming	Oct. 27
Sewers	Laramie, Wyo.	Oct. 6
Sewer	Chicago, Ill	Oct. 6
Sewer	Sacramento, Calif.	Oct. 6
Sewer and Settling Tanks	Vineland, N. J.	Oct. 6
Sewers	Wyandotte, Mich.	Oct. 13
Sewers	Salina, Kan	Oct. 20
Sewers	Tacoma, Wash	Oct. 20
Transit Extension	Boston, Mass.	Oct. 13
Water-Works	Oxford, Md	Oct. 13
Wharf	Algiers, La.	Oct. 6

Road—New York

Bids were opened by State Highway Commission, Albany, Oct. 7, (lowest three) for constructing C. H. No. 8292, Bliss-Pike Rd., 6.31 mi., Wyoming Co., from (A) Earl C. Jones, Inc., Warsaw; (B) F. W. & J. J. Crouch, Rochester; (C) Paul R. Beals, Buffalo. The unit bids are as follows:

Clearing and grubbing (lump sum)	$1,900.00	$1,600.00	$1,900.00
Clearing and grubbing (lump sum)	100.00	100.00	100.00
101,150 cu.yd. unclass. excav.	.50	.45	.48
300,000 sta. yd. overhaul		.0025	.005
220 lin.ft. 4 in. pipe underdrain	.25	.25	.25
9,000 lin.ft. 6 in. pipe underdrain	.35	.25	.20
200 lin.ft. relaying old pipe	.20	.10	.20
600 lin.ft. 18 in. rein. con. pipe	2.00	1.50	1.60
28,840 bbl. portland cement	2.50	2.60	2.76
185 cu.yd. conc. struc. 1-2-3½	20.00	18.00	18.00
15 cu.yd. con. parapet 1-2-3½	27.00	20.00	25.00
840 cu.yd. first class conc. 1-2-4	17.00	16.00	16.00
780 cu.yd. second class conc. 1-2½-5	12.00	10.00	11.00
1,200 sq.yd. conc. gutters	1.50	2.00	1.60
285 sq.yd. steel fabric, pavement	.35	.25	.27
8,000 sq.ft. steel fabric, culverts	.20	.15	.16
30,700 lb. bar reinf., struc.	.05	.045	.05
72,100 lb. structural steel	.06	.055	.05
425 lb. misc. iron and steel	.12	.10	.12
2,400 lin.ft. cable guide railing	.90	.90	.95
615 conc. guide posts	3.00	2.50	2.50
68,700 sq.yd. preparing fine grade	.10	.10	.10
600 cu.yd. foundation course, R.B. gravel	1.50	.75	2.00
14,300 cu.yd. conc. pavement, 1-2-3½	7.00	8.00	7.30
42 cu.yd. conc. pavement, 1-1½-3	10.00	12.00	10.00
33,880 lin.ft. trimming shoulders	.10	.10	.10
2,450 sq.ft. bit. material waterproofing	.10	.10	.10
1,000 cu.yd. screened gravel, L. M.	2.50	2.00	2.10
Maintaining traffic Br. 2 (lump sum)	250.00	410.00	500.00
Maintaining traffic Br. 3 (lump sum)	250.00	410.00	500.00
275 cu.yd. riprap	2.50	2.50	3.25
160 cu.yd. riprap grouted	5.00	4.00	5.65
1 M ft. b. m. timber and lumber	70.00	50.00	1.00
Dismantl. bridge superstr. (lump sum)	100.00	100.00	100.00
Cofferdams, pumps, etc. (lump sum)	1,100.00	800.00	1,100.00
68,700 sq.yd. metal rein. for pavement	.25	.25	.25
Totals	$305,137	$311,934	$312,753

Engineering News-Record, Issue of November 3, 1927.

Constr. News page 238

Dam—Pittsburgh, Penn.

Bids were opened by U. S. Engineer Office, Pittsburgh, Sept. 30, for constructing Dam No. 6, Allegheny River, from (A) Dravo Contracting Co., Dravo Bldg. (awarded contract); (B) Winston Bros. Co. & H. H. Wilson, Masonic Bldg., Harrisburg; (C) J. F. Casey Co., Box 1753; (D) U. G. I. Contracting Co., 1401 Arch St., Philadelphia. The unit bids are as follows:

	A	B	C	D
1,140 lin.ft. cofferdam	$60.00	$90.00	$150.00	$200.00
10,115 cu.yd. common excav.	1.30	.90	1.25	2.00
120 cu.yd. rock excav.	3.00	1.00	8.00	7.00
18,494 cu.yd. conc.	11.00	12.00	10.00	14.00
137 cu.yd. conc. paving	15.00	20.00	12.00	18.00
440 cu.yd. fill	1.00	1.00	1.00	1.00
11,480 cu.yd. riprap	6.50	6.00	6.50	6.50
5,152 cu.yd. derrick stone	6.50	6.00	6.50	8.00
50,715 lin.ft. round piles, timber	.60	.75	.90	1.00
2,008,362 lb. sheet piles, steel	.04	.04	.045	.05
443,980 ft. B.M., per M com. timber	110.00	133.00	135.00	160.00
2,465 lb. structural steel	.20	.15	.15	.12
51 lb. iron castings	.20	.25	1.00	.25
16,964 lb. bolts, etc.	.10	.12	.15	.10
285 lin.ft. 2½ in. steel pipe	1.00	1.25	1.00	1.00
284 lin.ft. 2 in. steel pipe	1.00	1.00	1.00	1.00
Totals	$558,316	$617,202	$679,227	$851,472

Engineering News-Record, Issue of November 3, 1927.

Sewers—Knoxville, Tenn.

Bids were opened by Division Public Service, Sept. 26, for constructing trunk and lateral sewers in Mountain View Sewer District, 8-in. rein. con. and 10-in. vitr. clay pipe, from (A) G. M. Ferris, Knoxville, (awarded contract); (B) Dysard Construction Co., Atlanta, Ga.; (C) M. E. Mismer Construction Co.; (D) A. R. Giffen. The unit bids are as follows:

		A	B	C	D
10 manholes	0- 4 ft. deep	$40.00	$45.00	$50.00	$47.50
25	4- 6 ft.	50.00	50.00	62.50	52.50
40	6- 8 ft.	60.00	60.00	75.00	62.50
20	8-10 ft.	70.00	75.00	87.00	72.50
9	10-12 ft.	80.00	90.00	106.00	92.50
5	12-14 ft.	90.00	120.00	125.00	112.50
1	20-22 ft.	150.00	250.00	250.00	212.50
3 lampholes	0- 4 ft.	10.00	10.00	12.50	8.00
5	4- 6 ft.	12.00	15.00	15.00	9.50
4	6- 8 ft.	14.00	18.00	18.00	11.00
780 wyes 8x6 ft. deep		.60	1.00	1.50	1.25
50 lin.ft. c.i. pipe 8 in.		2.50	3.00	2.50	1.50
36 lin.ft. c.i. pipe 10 in.		3.00	4.00	3.50	2.50
8 in. pipe complete—					
2,500 lin.ft.,	0- 4 ft. deep	.60	.85	.68	.85
4,500 lin.ft.	4- 6 ft. deep	.75	1.05	.92	1.09
8,500 lin.ft.	6- 8 ft. deep	.85	1.15	1.11	1.39
5,000 lin.ft.	8-10 ft. deep	1.15	1.50	1.62	1.79
1,200 lin.ft.	10-12 ft. deep	1.35	1.80	2.00	2.19
130 lin.ft.	12-14 ft. deep	1.60	2.50	2.40	2.59
60 lin.ft.	14-16 ft. deep	2.00	3.00	2.73	3.39
75 lin.ft.	16-18 ft. deep	2.20	3.50	3.15	4.89
150 lin.ft.	18-20 ft. deep	2.50	4.50	3.75	6.89
100 lin.ft.	20-22 ft. deep	3.50	5.50	5.00	9.89
10 in. pipe complete—					
200 lin.ft.	0- 4 ft. deep	.70	.95	.76	.96
300 lin.ft.	4- 6 ft. deep	.85	1.15	1.00	1.20
130 lin.ft.	6- 8 ft. deep	1.00	1.25	1.20	1.57
50 lin.ft.	8-10 ft. deep	1.25	1.60	1.50	1.87
75 lin.ft.	10-12 ft. deep	1.50	2.00	1.80	2.27
1,000 cu.yd. solid rock in trench		5.50	8.00	9.00	8.00
12 cu.yd. concrete, 1-2-4 mix		30.00	35.00	35.00	24.00
Time to complete		150 days	6 mos.	150 days	140 days
Totals		$34,917	$46,211	$48,097	$51,343
Plus 10%		3,492	4,621	4,809	5,134
Grand totals		38,409	50,832	52,906	56,478

Engineering News-Record, Issue of November 3, 1927.

UNIT PRICES *Continued on page 238a*

All plaster wall surfaces in the new Public Library at Bloomfield, N. J., were prepared for decorating with Hard-n-tyte Liquid Wall Primer.

John F. Capen, *Architect*
Closson-Parkhurst, Eng. Corp., *Builders*
J. Birnbaum, *Painting Contractor*

Prepare Wall Surfaces for Immediate Decorating

Hard-n-tyte
Surface Hardener

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Decorative Coatings

Konax
Integral Waterproofing

Hard-n-tyte
Colorless Waterproofing

Making sure that the surface is right to begin with, is the only assurance of real satisfaction in applying decorative treatments to new plaster or concrete walls. Hard-n-tyte Liquid Wall Primer gives you that assurance. Beyond neutralizing the alkali action which tends to discolor decorating, it hardens the surface and so fills the pores that you save the usual priming coat of paint. When used on new plaster or concrete surfaces, decorating can proceed without delay.

General Chemical Company

40 Rector Street, New York, N. Y

Hard-n-tyte Engineering Service is available in all Principal Cities

Hard-n-tyte
REG. U. S. PAT. OFF.
Liquid Wall Primer

Hard-n-tyte Products
REG. U. S. PAT. OFF.

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Road—Chicago, Ill.

Bids were opened by Cook County Highway Department, Aug. 22, for constructing 135th Street Road, Section No. 3145-A, 3146 15-D, from (A) Pronger Bros., Blue Island, (awarded contract); (B) Chicago Heights Coal Co., Chicago Heights; (C) States Improvement Co., 160 North La Salle St.; (D) G. H. Summerville, Harvey; (E) Calumet Coal Co., Calumet; (F) J. Mackler & Co., Chicago Heights. The unit bids are as follows:

	A	B	C	D	E	F
51,924.4 sq.yd. conc. pavement	$2.25	$2.26	$2.30	$2.35	$2.35	$2.33
54,313 sq.yd. earth shoulders	.20	.14	.17	.14	.17	.20
37,352 cu.yd. excav.	.75	.90	1.00	1.00	1.00	1.00
6,417 cu.yd. borrow	1.50	1.45	1.50	2.00	2.00	1.60
454 lin.ft. vit. pipe, 24-in.	4.00	4.00	3.50	3.85	3.85	4.00
46 lin.ft. vit. pipe, 12-in.	1.25	1.25	1.10	1.25	1.10	1.50
988 lin.ft. vit. pipe, 15-in.	1.50	1.50	1.25	1.50	1.50	2.00
44 lin.ft. vit. pipe, 16-in.	1.75	2.00	1.50	2.00	1.75	2.20
218 lin.ft. vit. pipe, 18-in.	2.00	2.00	2.00	2.15	2.15	3.00
454 lin.ft. vit. pipe, 24-in.	4.00	4.00	3.50	3.85	3.85	4.00
58,710 rein. steel culvert	.06	.06	.07	.06	.05	.05
570.28 cu.yd. plain concrete	30.00	30.00	28.00	25.00	30.00	30.00
2 9 cu.yd. brick hand rail	60.00	70.00	70.00	70.00	70.00	60.00
2 section markers	20.00	15.00	20.00	20.00	25.00	25.00
2 bridge name plates	75.00	65.00	65.00	55.00	75.00	70.00
1 sign post	140.00	125.00	150.00	100.00	150.00	150.00
124 cu.yd. crushed stone	4.00	3.00	3.50	3.50	4.00	3.50
36 cu.yd. scrg's	3.75	3.00	3.50	3.50	4.00	3.25
250 cu.yd. gravel	3.00	3.00	3.00	3.25	3.00	3.00
Totals	$213,016	$215,502	$222,873	$225,606	$229,599	$228,036
Checks	10,800	10,800	10,000	11,280	14,000	10,800

Engineer's estimate—$215,735

Engineering News-Record, Issue of November 3, 1927.

Water System—Gladstone, Ore.

Bids were opened by City, Oct. 3, (lowest three) for constructing water system, (A) contractor to furnish pipe, (B) city to furnish pipe, from (A) A. G. Rushlight, Portland; (B) Wright Construction Co.; (C) Woods & Corbett. The unit bids are as follows:

	A		B		C	
	A	B	A	B	A	B
12 in. class A or 50 C.I. pipe per lin.ft.	$1.76	$0.30	$1.65	$0.40	$1.78	$0.31
8 in. class A or 50 C.I. pipe per lin.ft.	.98	.19	.98	.25	1.02	.23
8 in. class B or 150 C.I. pipe per lin.ft.	.98	.19	1.00	.25	1.02	.23
6 in. class A or 50 C.I. pipe per lin.ft.	.68	.14	.70	.20	.72	.18
6 in. class B or 150 C.I. pipe per lin.ft.	.68	.14	.72	.20	.72	.18
4 in. class B or 150 C.I. pipe per lin.ft.	.48	.09	.54	.17	.54	.15
12 in. gate valves, each	67.55	67.55	72.00	72.00	68.00	68.00
8 in. gate valves, each	32.70	32.70	37.00	37.00	35.00	35.00
6 in. gate valves, each	22.05	22.05	22.00	22.00	24.00	24.00
4 in. gate valves, each	14.20	14.20	14.00	14.00	15.00	15.00
Cast iron specials, per lb	.08	.08	.07	.07	.09	.09
Cast iron valve boxes, each	5.00	5.00	6.00	6.00	5.50	5.50
Fire hydrants, each	98.00	98.00	95.00	95.00	92.50	92.50
Service connections, each	6.00	6.00	7.50	7.50	7.50	7.50
Small pipe connections (lump sum)	10.00	10.00	120.00	120.00	60.00	60.00
Installing master meter, etc. (lump sum)	250.00	250.00	550.00	550.00	400.00	400.00
Reservoir control valves (lump sum)	525.00	525.00	1,000.00	1,000.00	500.00	500.00
Earth excav. and backfill, per cu.yd.	.44	.44	.50	.50	.60	.60
Gravel excav. and backfill, per cu.yd.	.60	.60	.90	.90	1.00	1.00
Solid rock excav. and backfill, per cu.yd.	3.60	3.60	5.00	5.00	4.50	4.50
Pavement cuts, per sq.yd.	3.00	3.00	6.00	6.00	5.00	5.00
Concrete for res. base, etc., per cu.yd.	18.00	18.00	15.00	15.00	13.50	13.50
Totals	$52,342	$27,483	$58,478	$31,195	$58,663	$33,781

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Water System—Monroe, La.

Bids were opened by City Commissioners, Sept. 21, for improving water system, Contr. No. 1, buildings and structures, from (A) Robertson-Karr Co., Lincoln, Neb.; (B) Chanute Construction Co., Kansas City, Mo.; (C) B. E. Buffalo & Co., 658 East St., Memphis, Tenn. (awarded contract); (D) Standard Paving Co., Tulsa, Okla.; (E) W. D. Seaver Construction Co., Kansas City, Mo.; (F) Merkle Contracting Co., Kansas City, Mo.; (G) Allied Contractors, Omaha, Nebr. The unit bids are as follows:

	A	B	C	D	E	F	G
17,800 cu.yd. earth excavation	$0.80	$0.70	$0.50	$1.00	$1.50	$1.75	$2.00
4,200 cu.yd. class "A" concrete	20.00	19.00	7.85	14.50	18.40	22.00	23.10
400 cu.yd. class "B" concrete	18.00	16.00	6.90	14.50	13.00	12.00	16.50
370,000 lb. reinforcing steel	.05	.055	.02	.035	.....	.035	05.
Time of completion	May 1, 1928	.....	July 1, 1928	June 1, 1928	June 1, 1928	Oct. 15, 1928	Sept. 1, 1928
Totals	$202,939	$216,360	$217,543	$219,200	$241,301	$244,400	$309,647
Totals precast trim used instead	201,437	215,600	216,543	219,200	240,300	242,900	307,647

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